







City of Gainesville

# GAINESVILLE/ALACHUA COUNTY REGIONAL AIRPORT AUTHORITY

## BOARD DETAILS



**OVERVIEW**

 **SIZE** 9 Seats
  **TERM LENGTH** 36
  **TERM LIMIT** n/a

(Nine (9) members; 3-year terms)  
 (Created by HB 1419 of the 1986 Florida Legislature) The purpose of the Authority is to manage and operate the airport and airport facilities, hereby creating an independent special district to be known as the Gainesville/Alachua County Regional Airport Authority.

Agendas and Minutes can be found at the following link:  
<https://gra-gnv.com/flygainesville.com/gacraa-board/agendas/>



### AGENDAS AND MINUTES ARE LOCATED

**DETAILS**

### ORDINANCE

Created by HB 1419 of the 1986 Florida Legislature



City of Gainesville

# GAINESVILLE/ALACHUA COUNTY REGIONAL AIRPORT AUTHORITY

## BOARD ROSTER



**BOB PAGE**

**2nd Term** Dec 08, 2017 - Jul 31, 2019

**Appointing Authority** Governor

**Position** Chair

**Category** Governor Appointee



**PETER JOHNSON**

**1st Term** Aug 04, 2016 - Jul 31, 2019

(352) 338-1791

Address:

2935 NW 23rd Terrace

Gainesville, FL 32605

**Appointing Authority** City Commission

**Position** Secretary/Treasurer

**Category** City Appointee



**GRACE L HORVATH**

**1st Term** Aug 04, 2016 - Jul 31, 2019

Email: ghorvath@cpamerica.org

Mobile: (352) 316-4416

Home: (352) 271-1212

Address:

2525 NW 18th Way

Gainesville, FL 32605

**Position** Vice-Chair

**Category** City Appointee



**DAVID P. NORTON**

**2nd Term** Aug 04, 2016 - Jul 31, 2019

(352) 871-5191

Address:

2449 NW 93rd Street

Gainesville, FL 32606

**Appointing Authority** City Commission

**Category** City Appointee



**BILL CONRAD**

**1st Term** Aug 01, 2018 - Jul 31, 2020

**Appointing Authority** Governor

**Category** Governor Appointee



**GERRY DEDENBACH**

**1st Term** Aug 08, 2017 - Jul 31, 2020

**Appointing Authority** Alachua County

**Category** County Appointee



**JEAN CALERWOOD**

**1st Term** Aug 01, 2018 - Jul 31, 2021

**Appointing Authority** Governor

**Category** Governor Appointee



**RANDALL C WRIGHT**

**1st Term** Aug 16, 2018 - Jul 31, 2021

Email: rwright@jou.ufl.edu

Mobile: (352) 665-4244

Business: (352) 294-1555

Address:

2002 SW 112th Street

Gainesville, FL 32607

**Appointing Authority** City Commission

**Category** City Appointee



**VACANCY**

**Appointing Authority** City Commission

**Category** City Appointee

**Profile**

Prefix	<u>Craig</u>	Middle Initial	<u>Carter</u>	Suffix
	First Name		Last Name	

craigezgo@gmail.com  
Email Address

<u>3829 nw 36th st</u>	
Street Address	Suite or Apt

<u>Gainesville</u>	<u>FL</u>	<u>32605</u>
City	State	Postal Code

**Ward**

District 3

<u>Mobile: (352) 339-4038</u>	<u>Home:</u>
Primary Phone	Alternate Phone

**Primary Phone Type**

None Selected

**Alternate Phone Type**

None Selected

<u>self</u>	
Employer	Job Title

**Which Boards would you like to apply for?**

Gainesville/Alachua County Regional Airport Authority: Submitted

PLEASE NOTE: You may only apply for two (2) City Advisory Boards/Committees each application cycle. A person may only be appointed to two (2) City Advisory Boards/Committees.

Question applies to Gainesville/Alachua County Regional Airport Authority

All applicants to the Gainesville/Alachua County Regional Airport Authority must submit a signed copy of the GACCRA Certification Form.

Download a pdf of the form at: [http://www.cityofgainesville.org/Portals/0/clerk/GACCRA Certification Form\\_2015.pdf](http://www.cityofgainesville.org/Portals/0/clerk/GACCRA Certification Form_2015.pdf)

Upload a scanned file of the completed form in the Interests & Experiences section of this application.

**Do you claim any exemption to public record disclosure pursuant to FLA. STAT. Section 119?**

Yes  No

**If yes, please submit a detailed explanation of exemption.**

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## **Interests & Experiences**

**Why are you interested in serving on a board or commission?**

I have a passion for all things flying I love the Gainesville airport and I think you can even do better than it is today. I'd be willing to explore all opportunities and joint ventures

**How many terms have you served on this board or committee previously?**

Upload a Resume

Please upload a file

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## **Demographics**

**Ethnicity**

Caucasian/Non-Hispanic

**Gender**

Male

**Are you a City of Gainesville Employee?**

Yes  No

**Are you a City of Gainesville Intern?**

Yes  No

**Are you currently on a City Advisory Board/Committee?**

Yes  No

**If yes, which Advisory Board/Committee?**

Gainesville housing board

**GAINESVILLE/ALACHUA COUNTY REGIONAL AIRPORT AUTHORITY  
CERTIFICATION OF APPLICATION FOR MEMBERSHIP**

This is to certify that I, Craig Carter, am aware of and am in compliance with the membership requirements of sections of the State Legislation 2006-363 which established the Gainesville/Alachua County Regional Airport Authority:

Section 2, Paragraph 9:

- (9) "Person" means any individual, firm, partnership, corporation, company, association, joint stock association, or body politic and includes any trustee, receiver, assignee, or other similar representative thereof.

Section 4, Paragraph 1:

- (1) MEMBERSHIP: The powers of the authority shall be vested in its members in office from time to time. There shall be nine members. No member shall receive any compensation for services as a member. As a condition of eligibility for appointment and to hold office, each member shall reside within the city or the county. However, one member appointed by the Governor may reside in a county contiguous to Alachua County. No person shall serve as a member of the authority and, at the same time, hold any publicly elected office in the State of Florida.

Section 4, Paragraph 5:

- (5) All members appointed subsequent to the effective date of this act shall serve 3-year terms of office, beginning on August 1 and expiring on July 31 of the appropriate year.

Section 6, Paragraphs 1 & 2:

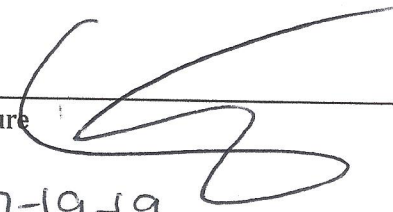
**RESTRICTIONS:**

- (1) No person who has transacted business with the authority shall be eligible for appointment to the authority until 3 years after the last transaction. No person who has served on the authority shall be eligible to transact business with the authority until 3 years after the person's last date of service. Said transactions include transactions either for oneself or as an employee of, agent for, or consultant to any other person or legal entity.

However, nothing in this paragraph shall be construed as prohibiting an appointed member from purchasing supplies or services from any fixed-base operators or tenants at the airport or Airport Industrial Park, or for renting individual aircraft hangars or tie-downs offered to the general public and owned by the authority, provided that the price and terms of the transaction are available to all members of the public.

- (2) No member, officer, agent, or employee of the authority, either for himself or herself or as agent for anyone else, or as a stockholder or owner in any other legal entity, shall participate in or benefit directly or indirectly from any sale, purchase, lease, franchise, contract, or other transaction entered into by the authority or the city. The provisions of this subsection shall be cumulative to any general laws of the state that may from time to time be applicable to members, officers, agents, or employees of the authority and that require the disclosure of, or prohibit, conflicts of interest.

**I, HEREBY CERTIFY that I am in full compliance with the restrictions set forth in Section 2006-363, Laws of Florida, and I am eligible to be considered for appointment to the Gainesville/Alachua County Regional Airport Authority, and that I retain a copy of these restrictions/requirements.**

Signature   
Date 07-19-19

This supplement to the Gainesville/Alachua County Regional Airport Authority application is required to be included with the application before it can be submitted to the City Commission for consideration. Please fill in your name, print, sign and date this supplemental, attach it to your application and mail or email to:

Clerk of the Commission  
Airport Supplemental  
P.O. Box 490 MS 18  
Gainesville, FL 32627-0490  
[depclerk@cityofgainesville.org](mailto:depclerk@cityofgainesville.org)

Remember to retain a copy for your records.

**Profile**

_____	<b>Robert</b>	_____	<b>A</b>	_____	<b>Corlett</b>	_____	
Prefix	First Name	Middle Initial	Last Name	Suffix			

pa.redware@gmail.com  
 Email Address

10316 SW 21st Ave	_____	_____
Street Address	Suite or Apt	
Gainesville	FL	32607
City	State	Postal Code

**Ward**

None Selected

Home: (407) 595-3922	Home: (352) 505-3357
Primary Phone	Alternate Phone

**Primary Phone Type**

Cell

**Alternate Phone Type**

Home

Launch Marketing, LLC	VP National Foodservice and Retail
Employer	Job Title

**Which Boards would you like to apply for?**

Gainesville/Alachua County Regional Airport Authority: Submitted

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Upload a scanned file of the completed form in the Interests & Experiences section of this application.

Do you claim any exemption to public record disclosure pursuant to FLA. STAT. Section 119?

Yes  No

If yes, please submit a detailed explanation of exemption.

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## Interests & Experiences

Why are you interested in serving on a board or commission?

My wife and I moved to Gainesville last summer from Orlando where we lived for 18 years. I am an executive with a business based in Bentonville, AR and travel frequently around the US for 30 years, in the past exclusively from MCO and now from Gainesville, Jacksonville and Orlando. I am extremely interested in providing the very best airport experience for Gainesville / Alachua County and positioning our airport as best in class as it continues to grow to meet the needs of North FL business and leisure travelers

How many terms have you served on this board or committee previously?

0

[Resume\\_Robert\\_Corlett\\_2019.doc](#)

Upload a Resume

[Resume\\_Robert\\_Corlett\\_2019.doc](#)

Please upload a file

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## Demographics

Ethnicity

Caucasian/Non-Hispanic

Gender

Male

Are you a City of Gainesville Employee?

Yes  No

Are you a City of Gainesville Intern?

Yes  No



**Robert A. Corlett**  
**10316 SW 21<sup>st</sup> Avenue**  
**Gainesville, FL 32601**  
**(407) 595 – 3922**  
**Pa.redware@gmail.com**

**EXPERIENCE**

**LAUNCH MARKETING / ARGO HOLDINGS, LLC**

**10/17 – Present**

**Vice President National Foodservice & Retail**

Lead all Foodservice, Licensing and key Retail initiatives for company and clients in Foodservice industry in key segments including Restaurant Chains, Purchasing Co-Ops, C Stores, Contract Management, Amusement, Food Manufacturing, Hospitality and key Grocery Retail. Manage team of two (2) Sales Directors and three (3) sub-Brokers in development and achievement of annual Sales Plan for company. Also responsible for development of national licensing opportunities for F&B and Seasonal outdoor beach & patio products. Accounts include IPC / Subway, Universal, Darden, Cheesecake Factory, Sysco Corp., Wegman's, Focus Brands, Publix, Taco John's, Wendy's and Disney.

**DAYMON**

**4/14 – 10/17**

**Sr. Director New Business Development – Foodservice**

Lead sales and cross functional team responsible for the strategy, design and execution of the new Foodservice initiative for company. Responsible for evolving and applying the products and services the company provides suppliers and clients in Foodservice industry in North America and expanding opportunities globally with Export team. Segments include Foodservice chains accounts, select Foodservice distributors, college & universities, contract management, hospitality and convenience stores

**SUN ORCHARD, INC.**

**7/03 – 12/13**

**Vice President of Sales, (5/04 to 12/13)**

- Responsibility for the entire Sales, Marketing and R&D functions for Company including Annual Plan development and execution of Plan directly through management of 4 Regional Managers, 3 National Account Managers, 1 VP of Foodservice Sales, 1 Sales Administrator, and 2 R&D food scientists. Other responsibilities include key national account relationship management (Wendy's, Focus Brands, Darden, Panda Express, Golden Corral and Disney), all national account contract negotiations, website design, direct marketing, consumer research, point of sale development and production, trade shows and trade relationships (Daymon Worldwide, PLMA, Technomic, Robertet and key "partner" manufacturers). Manage product development process, including concept development, project management from ideation to commercialization, negotiation with key suppliers and the design and implementation of all packaging and point of sale materials. Current projects include Wendy's, Panda Express, Golden Corral, Chipotle, Disney, Sonic and Panera. New product launches include Rendezvous Bay Premium Mixers, Smoothies Fruit Watters and Fuji Apple Juice. Identified and negotiated "joint venture" relationship with regional boutique apple juice company in New York State and secured North American distribution rights for both foodservice and retail grocery. Ongoing coordination of the R&D function for proprietary product development projects. Report directly to CEO / owner of Company.
- Key Accomplishments:
  - Secured Wendy's account in 2011. Largest ever revenue and profit account for company.
  - Achieved record Sales Revenue every year in position
  - Tripled company's Sales Revenues for period FY '05 through FY '12
  - Accelerated "Alternative Beverage" Strategy focusing on customized product solutions
  - Secured entrée into retail category with private label products for Ahold USA, Topco system and Wegman's

**Vice President of Marketing & Emerging Business (7/03 to 5/04)**

**THE COCA COLA COMPANY (FOUNTAIN DIVISION)**

**9/94 – 6/03**

**Senior National Account Executive (8/00 to 6/03)**

- Responsible for the sale and distributor roll-out of Bacardi Premium Mixers in Florida and Caribbean markets
- Orlando, FL based responsibility for managing the key Coca-Cola relationship with Darden Restaurants, Inc. Lead a multi-functional team of people calling on the largest U.S. based casual dining company for the Coca-Cola Company. Specific key account responsibility for Red Lobster and Smokey Bones BBQ restaurants. Annual revenue to The Coca-Cola Company is in excess of \$16 million. Additional responsibilities:
- Proposed new product concept and worked on the development team for the Bacardi frozen alcoholic mixer brand that was rolled out nationally in mid 2002. Winner of the 2002 Coca-Cola Fountain Performance Always Award.
- Worked on the team that re-negotiated a new seven-year exclusive Coca-Cola contract between Darden and The Coca-Cola Company.

**Area Account Executive III (11/98 to 7/00)**

Special assignment responsible for leading a cross-functional team in the development of a mall “Partnership Marketing” strategy with the Washington DC based Mills Corporation. Working with bottling partners across the country established a first of its kind comprehensive exclusive soft drink program for Fountain, vending and bottle/can. Comprehensive program includes the value-added elements of external traffic building programs, internal capture rate programs, crew incentive initiatives, imagery integration and tenant concept consulting services. Incremental profit to the Coca-Cola system of \$300 thousand in Year 1 of contract to \$1.8 million by Year 5. Additional responsibilities:

**Chain Operations Manager II (7/97 to 11/98)**

Responsible for managing operational needs of all key accounts within the mid-Atlantic region. Accounts include AMF, Busch Gardens, Auntie Annes, Hershey Park, Kings Dominion, Crown Petroleum, Chesapeake Bagels, and Turkey Hill. Develop and manage annual capital budget of \$8 million for responsible geography. Conduct planning sessions with key bottlers, cross-functional team members and upper management of key customers to ensure operational effectiveness. Influence bottlers and CCUSA divisional partners to work as a team to deliver “added value” for key customers.

**Account Executive II (9/94 to 7/97)**

Western Tennessee account responsibility representing Coca-Cola USA’s interests with key accounts, bottlers, and other Coca-Cola authorized suppliers. Responsible for the development and implementation of marketing programs, promotional programs and strategies to increase both area volume and market share. Conduct planning sessions with upper management of key accounts and with bottlers to determine marketing objectives and the associated priorities. Coordinate the activities of Marketing, Finance, and Operations in order to facilitate the implementation of promotional programs developed. Key Accounts: Malco Theaters, Wall Street Deli, Servomatic, Savings Oil, Back Yard Burgers, Kroger Delta, and Allen and O’Hara.

**UNILEVER (HELENE CURTIS, INC.)**

**10/88 – 9/94**

**Customer Business Manager (12/91 to 9/94)**

Key account responsibility for \$3 million Western/Central New York and Ohio territory. Responsibilities included: budgeting \$200 thousand marketing funds, selling account promotions, securing new product distribution, coordinating retail sales force coverage of key accounts, forecasting sales, preparing business plans and developing new account opportunities. *Managed two sales associates and coordinated the activities of three sales representatives. Sales Trainer for Eastern United States.*

**Retail Sales Representative (10/88 – 12/91)**

**EDUCATION**

1984 – 1988

ROCHESTER INSTITUTE OF TECHNOLOGY  
BS Marketing, 3.8 GPA

Rochester, NY

**GAINESVILLE/ALACHUA COUNTY REGIONAL AIRPORT AUTHORITY  
CERTIFICATION OF APPLICATION FOR MEMBERSHIP**

This is to certify that I, Robert Corbett, am aware of an am in compliance with the membership requirements of sections of the State Legislation 2006-363 which established the Gainesville/Alachua County Regional Airport Authority:

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Section 4, Paragraph 5:

- (5) All members appointed subsequent to the effective date of this act shall serve 3-year terms of office, beginning on August 1 and expiring on July 31 of the appropriate year.

Section 6, Paragraphs 1 & 2:

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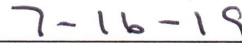
However, nothing in this paragraph shall be construed as prohibiting an appointed member from purchasing supplies or services from any fixed-base operators or tenants at the airport or Airport Industrial Park, or for renting individual aircraft hangars or tie-downs offered to the general public and owned by the authority, provided that the price and terms of the transaction are available to all members of the public.

- (2) No member, officer, agent, or employee of the authority, either for himself or herself or as agent for anyone else, or as a stockholder or owner in any other legal entity, shall participate in or benefit directly or indirectly from any sale, purchase, lease, franchise, contract, or other transaction entered into by the authority or the city. The provisions of this subsection shall be cumulative to any general laws of the state that may from time to time be applicable to members, officers, agents, or employees of the authority and that require the disclosure of, or prohibit, conflicts of interest.

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Signature



Date

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Airport Supplemental  
P.O. Box 490 MS 18  
Gainesville, FL 32627-0490  
[depclerk@cityofgainesville.org](mailto:depclerk@cityofgainesville.org)

Remember to retain a copy for your records.

**Profile**

Prefix            Daniel            C            Harloff                        
 First Name Middle Initial Last Name Suffix

danharloff@yahoo.com  
 Email Address

729 NE 10th Place             
 Street Address Suite or Apt

Gainesville FL 32601  
 City State Postal Code

**Ward**

District 1

Home: (352) 215-6276 Home:  
 Primary Phone Alternate Phone

**Primary Phone Type**

Cell

**Alternate Phone Type**

None Selected

University of Florida Assistant Director, Health Care Administration  
 Employer Job Title

**Which Boards would you like to apply for?**

City Beautification Board: Submitted  
 Development Review Board: Submitted  
 Gainesville Cultural Affairs Board: Submitted  
 Gainesville/Alachua County Regional Airport Authority: Submitted  
 Historic Preservation Board: Submitted  
 Wild Spaces Public Places Citizen Oversight Committee: Submitted

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---

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Yes  No

**If yes, please submit a detailed explanation of exemption.**

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## **Interests & Experiences**

**Why are you interested in serving on a board or commission?**

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I was born and raised in Gainesville, and I have a strong interest in both the advancement and growth of our city, along with preservation of our history and culture. I previously served on the Board of Adjustment before it was disbanded and loved the opportunity to have a voice in the administration of the city.

**How many terms have you served on this board or committee previously?**

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[Dan Harloff CV -  
City Board Committee Application.docx](#)

Upload a Resume

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Please upload a file

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## **Demographics**

**Ethnicity**

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Caucasian/Non-Hispanic

**Gender**

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Male

**Are you a City of Gainesville Employee?**

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Yes  No

**Are you a City of Gainesville Intern?**

---

Yes  No

**Are you currently on a City Advisory Board/Committee?**

---

Yes  No

**If yes, which Advisory Board/Committee?**

---



# Daniel C. Harloff, MHA

729 NE 10<sup>th</sup> Place ♦ Gainesville, FL ♦ Ph: 352.215.6276 ♦ [danharloff@yahoo.com](mailto:danharloff@yahoo.com)

## KEY SKILLS

---

- Personnel Management
- Project Management
- Budgeting
- Disaster Preparedness
- Mentoring/Coaching
- Utilization Forecasting
- Process Design & Improvement
- Contract Oversight
- Team Building & Facilitation
- Research & Data Analysis
- Risk Assessment
- Problem Solving

## EXPERIENCE

---

### **Assistant Director of Health Care Administration, University of Florida, Division of Gastroenterology, Hepatology, and Nutrition**

#### **September 2017 – Present**

- ◇ Administrative oversight and operational management of large, academic specialty practice of 28 faculty, 70+ total employees, and annual budget over \$23M
  - Increased year-over-year clinical revenue by over \$1M with no concurrent increase to capital resources
  - Successfully navigated GI Division financial performance to positive end of year budget variance 2 years in a row
  - 2-year growth of over 13% across clinical, research, and academic missions
  - Top 50 ranking in US News and World Reports Best GI and GI Surgery Divisions in the United States
  - Reduced wait time for GI Endoscopic procedures from nearly 6 months down to less than 45 days by maximizing productivity and efficiency within existing resource constraints
  - Annual research portfolio of \$12M, including federally sponsored, industry sponsored, and investigator initiated research projects

### **Administrative Officer, Medical Service, North Florida/South Georgia Veterans Health System**

#### **January 2013 – September 2017**

- ◇ Manage day-to-day and strategic planning operations of large multi-specialty clinical service line; 300 total FTEE, 80 physician FTEE, over 45,000 outpatient visits and 13,000 admissions annually
- ◇ Supervise 43 administrative support staff, including scheduling staff responsible for over 150,000 scheduling actions and 350,000 phone calls annually
- ◇ Plan and direct comprehensive personnel management program; including strategic alignment and allocation of human capital resources, position descriptions and classification actions, personnel actions in automated HR database system, interpreting qualification standards, and labor and employee relations
- ◇ Utilize VA Data Warehouse and local consolidated access dashboard to monitor key performance metrics and align service goals and objectives with local, regional and national strategic plan
- ◇ Service line representative for system-level committees; including Access, Data Validation, Strategic Planning, and Information Management Council
- ◇ Coordinate with Facilities Management for development and oversight of major and minor construction projects
  - Project Manager and Activation Coordinator for \$10 million MICU renovation, increasing from 12 to 18 critical care beds, new equipment, and additional human capital resources
  - Developed \$5 million renovation proposal to expand GI procedure suite and double current procedure capacity
  - Project Manager for \$1.5 million renovation of oncology infusion center to increase chemotherapy and infusion treatment capacity by 40%
- ◇ Facility Liaison with University of Florida Department of Medicine; coordinate joint recruitment efforts, salary determinations, labor mapping allocations, and flexible tour agreements for dual appointed physicians



# Daniel C. Harloff, MHA

## **Administrative Fellowship, North Florida/South Georgia Veterans Health System**

**June 2012 – December 2012**

- ◇ Rotational based, one-year management training program focused on building core competencies of Leading Change, Leading People. Result Driven, Business Acumen, and Building Coalitions
- ◇ Developed these competencies through a project-driven approach, in consultation with executive leadership and through participation on system-level committees
  - Extracted multi-layer workload and staffing data to prepare detailed spreadsheet analysis of specialty physician productivity ratios relative to clinical and administrative staffing support
  - Cost/benefit analysis – reviewed 591 MRI consult records to ascertain suitability and feasibility of dedicated extremity scanner
  - Prepared comprehensive operational analysis of VHA facility complexity rating methodology for executive staff
  - Facilitated process redesign workgroup charged with best practice implementation of provider-patient test result notification

## **Student Consultant Experience, Shands HealthCare Surgical Scheduling Improvement Project**

**January 2012 – April 2012**

- ◇ Health Administration Graduate Program Capstone experience meant to develop real-world problem solving and project management experience in collaboration with UF Health Shands Operational Departments
  - Adapted the Dynamic Systems Development Method to involve stakeholders, garner top-level commitment, and incrementally refine project scope into an established business need
  - Detailed workflow analysis/activity diagramming of six unique scheduling processes at four clinics
  - Qualitative exercise – in-depth interviews of frontline staff to develop jury of executive opinions
  - Data mining that transformed raw scheduling data into Level II decision support information including analysis of variance, histograms, pivot tables, and time series trends
  - Thematic analysis of complex processes resulting in concrete and actionable performance improvement recommendations

## **Administrative Internship, Department of Otolaryngology (ENT), University of Pittsburgh Medical Center**

**May 2011 – August 2011**

- ◇ Focused one semester administrative internship based on building core health administration educational competencies in real-world operational learning environment
  - Researched and submitted business proposal for patient healthcare financing plan using advanced statistical analysis, utilization forecasting, sensitivity analysis, and Monte Carlo simulation techniques, resulting in Level I decision support information and recommendations
  - Thematically identified the systemic barriers to patient-physician and physician-nurse communications, and both the unit by unit and aggregate impact on patient satisfaction
  - Analyzed physician productivity levels relative to support staff ratio by creating an efficacy model for appropriate staffing based on Work Relative Value Unit (WRVU) billing and utilization data
  - Created automated inventory dashboards to track hearing aid loan-outs and dermatologic filler inventory

## **Joint Commission Performance Improvement & Readiness, North Florida/South Georgia VHS**

**November 2009 – June 2012**

- ◇ Accreditation assistant tasked with maintaining constant readiness and compliance with accrediting agency guidelines
  - Organized post-survey action plans in response to accreditation agency recommendations for improvement
  - Conducted weekly Joint Commission mock surveys at 2 Medical Centers and 25 off-site clinics to identify deficiencies with standards
  - Created the communication chain to ensure future compliance and re-audited based on identified deficiencies
  - Performed monthly quality control audits and patient record reviews of 10 clinical areas to ensure adherence to mandated Controlled Substance Program policies and procedures, verify inventory, and prevent theft

# Daniel C. Harloff, MHA

## Other Experience

- ◇ **Avionics Technician, University Air Center, Gainesville, FL; November 2008 – November 2009**
- ◇ **Avionics Supervisor (E-5), US Air Force, Multiple Locations, October 2000 – August 2008**

## EDUCATION

---

- 2010-12**      **Master of Health Administration**, University of Florida, Gainesville, FL, *Program GPA: 3.98*
- 2005-06**      **Bachelor of Business Administration: Project Management**, *Cum Laude*, American Intercontinental University, Hoffman Estates, IL, *Program GPA: 3.67*
- 2004**      **Airman Leadership School**, US Air Force, Elmendorf AFB, AK

## BOARD/COMMITTEE APPOINTMENTS

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- ◇ Board of Adjustment (Appeals), City of Gainesville, 2015 – 2017
- ◇ Citizens' Advisory Committee for Community Development, City of Gainesville, 2015 - 16
- ◇ Acute Care Redesign Workgroup, NF/SGVHS, 2015 – 2017
- ◇ Specialty Care Redesign Workgroup, NF/SGVHS, 2015 – 2017
- ◇ Strategic Planning Committee, NF/SGVHS, 2013 – 2017
- ◇ Access Steering Committee, NF/SG VHS, 2013 – 2017
- ◇ Compliance and Business Integrity Committee, NF/SGVHS, 2013 – 2017
- ◇ Information Management Council, NF/SGVHS, 2014 – 2017
- ◇ Consult Management Committee, NF/SGVHS, 2014 - 2017

## INVITED PRESENTATIONS

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- ◇ **Productivity and Labor Mapping**, Administrative Officer Data Forum, 2016 – 2017.
- ◇ Nelson, N., Powers, R., and **Harloff, D.** ***Sleep Medicine Redesign Project***. 2015 VISN 8 Performance Improvement Forum.
- ◇ **Resume Building**. CONNECT, Professional Development and Networking Event. 2016. Santa Fe College BAS Health Services Administration Program.
- ◇ Early Career Alumni Panel Discussion. 2014. University of Florida MHA Program Open House.
- ◇ Local Business Manager Panel Discussion. 2013. Santa Fe College Organization Management Student Association.

## AWARDS/HONORS

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- ◇ 2015 VISN 8 LEAN Forward Award Winner, Best Improvement Project
- ◇ Upsilon Phi Delta Health Administration Honor Society, 2012
- ◇ Randall Healthcare Fellow Scholarship Award, University of Florida, 2010-11
- ◇ Dean's List, Santa Fe College, Fall 2009, Spring 2010
- ◇ US Air Force Commendation Medal, August 2008
- ◇ Alaska Youth Soccer Association, Team Sportsmanship Award, August 2007
- ◇ US Air Force Achievement Medal, June 2005
- ◇ US Air Force Distinguished Graduate Award, Airman Leadership School, December 2004
- ◇ US Air Force Outstanding Unit with Valor Medal, Five (5) awards, March 2001 to August 2008
- ◇ US Air Force Gallant Unit Citation, Operation Enduring Freedom, March 2001

# Daniel C. Harloff, MHA

## COMMUNITY INVOLVEMENT

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- ◆ Preceptor, VA Internship Program, Spring 2017
- ◆ Preceptor, UF MHA Summer Internship, Summer 2015
- ◆ Volunteer Soccer Coach, i9 Sports, Summer 2015
- ◆ Volunteer Football Coach, Upward Sports, Spring 2015
- ◆ University of Florida MHA Program Mock Interviewer, 2013-14
- ◆ Valentine's Day Cards for Kids, Shands Inpatient Pediatric Unit, 2011
- ◆ Professional Development Chair, UF Health Administration Student Association, 2010-11
- ◆ Treasurer, Santa Fe College Health Services Administration Student Association, 2009-10
- ◆ Volunteer Head Coach, YMCA Kangaroo Kickers Soccer Program, 2010
- ◆ Head Coach, Northern Lights Soccer Club Girls under 13 competitive soccer team, 2007-2008
- ◆ Certified United States Soccer Federation "E" license youth soccer coach, 2007
- ◆ Volunteer, 27<sup>th</sup> Annual National Veterans Wheelchair Games, 2006

## PROFESSIONAL REFERENCES

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- ◆ **Lawrence Calderon**; Lead Planner, Department of Doing, City of Gainesville; (352) 334-5023
- ◆ **Chris Forsmark, MD**; Chief, UF Division of Gastroenterology; (352) 273-9472
- ◆ **Richard Schofield, MD, FACC**; VHA National Chief of Cardiology; Chief of Medicine, NF/SGVHS; (352) 548-6328
- ◆ **Shaima Coffey, MHA**; Assistant Director, UF Division of General Internal Medicine; (352) 317-6017

**GAINESVILLE/ALACHUA COUNTY REGIONAL AIRPORT AUTHORITY  
CERTIFICATION OF APPLICATION FOR MEMBERSHIP**

This is to certify that I, Daniel Harloff, am aware of an am in compliance with the membership requirements of sections of the State Legislation 2006-363 which established the Gainesville/Alachua County Regional Airport Authority:

Section 2, Paragraph 9:

- (9) "Person" means any individual, firm, partnership, corporation, company, association, joint stock association, or body politic and includes any trustee, receiver, assignee, or other similar representative thereof.

Section 4, Paragraph 1:

- (1) MEMBERSHIP: The powers of the authority shall be vested in its members in office from time to time. There shall be nine members. No member shall receive any compensation for services as a member. As a condition of eligibility for appointment and to hold office, each member shall reside within the city or the county. However, one member appointed by the Governor may reside in a county contiguous to Alachua County. No person shall serve as a member of the authority and, at the same time, hold any publicly elected office in the State of Florida.

Section 4, Paragraph 5:

- (5) All members appointed subsequent to the effective date of this act shall serve 3-year terms of office, beginning on August 1 and expiring on July 31 of the appropriate year.

Section 6, Paragraphs 1 & 2:

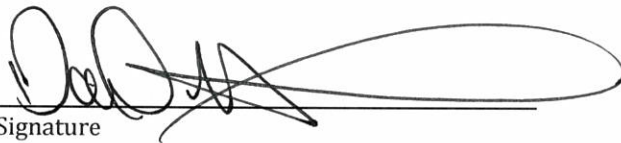
RESTRICTIONS:

- (1) No person who has transacted business with the authority shall be eligible for appointment to the authority until 3 years after the last transaction. No person who has served on the authority shall be eligible to transact business with the authority until 3 years after the person's last date of service. Said transactions include transactions either for oneself or as an employee of, agent for, or consultant to any other person or legal entity.

However, nothing in this paragraph shall be construed as prohibiting an appointed member from purchasing supplies or services from any fixed-base operators or tenants at the airport or Airport Industrial Park, or for renting individual aircraft hangars or tie-downs offered to the general public and owned by the authority, provided that the price and terms of the transaction are available to all members of the public.

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**I, HEREBY CERTIFY that I am in full compliance with the restrictions set forth in Section 2006-363, Laws of Florida, and I am eligible to be considered for appointment to the Gainesville/Alachua County Regional Airport Authority, and that I retain a copy of these restrictions/requirements.**

  
Signature

7-17-2019  
Date

This supplement to the Gainesville/Alachua County Regional Airport Authority application is required to be included with the application before it can be submitted to the City Commission for consideration. Please fill in your name, print, sign and date this supplemental, attach it to your application and mail or email to:

Clerk of the Commission  
Airport Supplemental  
P.O. Box 490 MS 18  
Gainesville, FL 32627-0490  
[depclerk@cityofgainesville.org](mailto:depclerk@cityofgainesville.org)

Remember to retain a copy for your records.

**Profile**

_____	<u>Grace</u>	_____	<u>L</u>	_____	<u>Horvath</u>	_____
Prefix	First Name	Middle Initial	Last Name	Suffix		

ghorvath@cpamerica.org  
 Email Address

_____	<u>2525 NW 18th Way</u>	_____	
Street Address	Suite or Apt		
_____	<u>Gainesville</u>	<u>FL</u>	<u>32605</u>
City	State	Postal Code	

**Ward**

District 2

_____	<u>Mobile: (352) 316-4416</u>	_____	<u>Home: (352) 271-1212</u>
Primary Phone	Alternate Phone		

**Primary Phone Type**

Cell

**Alternate Phone Type**

Home

_____	<u>CPAmerica International</u>	_____	<u>Vice President of Services</u>
Employer	Job Title		

**Which Boards would you like to apply for?**

Gainesville/Alachua County Regional Airport Authority: Appointed

PLEASE NOTE: You may only apply for two (2) City Advisory Boards/Committees each application cycle. A person may only be appointed to two (2) City Advisory Boards/Committees.

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Upload a scanned file of the completed form in the Interests & Experiences section of this application.

**Do you claim any exemption to public record disclosure pursuant to FLA. STAT. Section 119?**

Yes  No

**If yes, please submit a detailed explanation of exemption.**

---

## **Interests & Experiences**

**Why are you interested in serving on a board or commission?**

I have been a committed and active member of my community since relocating here in 1995 with concern for sustainable growth, a strong economy and the well-being of all of its people. I have maintained my connection and service to my community through both my personal and professional activities through charitable organizations, my previous employers and providing and leading volunteer support at all levels in educational, environmental and political activities. While my current employer, a national professional trade association, is headquartered here, the nature of our business is somewhat independent of the location. It remains a priority to me to be in a position where I have the ability to influence and contribute to the long-term viability and success of our community and its people. In my present position, I am a very frequent traveler in the U.S. and abroad. I rely on our airport for my own access to be able to do my job efficiently, affordably and conveniently; and I also understand the resounding underlying impact the airport and transportation has on our community from economic development to employment and attracting and retaining talent. Even in my company's board, we've had the conversation of relocation based on access - both physically getting in and out of here, and our ability to attract the talent we need to grow and comprehensively serve an international membership. I feel I'm a fit for this board based on my understanding of the overall importance of accessibility for any city and its citizens to thrive and my desire to have a hand in serving and making a positive impact on my community.

**How many terms have you served on this board or committee previously?**

1

[Horvath2016Resume.doc](#)

Upload a Resume

[GACRAA\\_CertofAppMemb.pdf](#)

Please upload a file

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## **Demographics**

**Ethnicity**

Hispanic

**Gender**

Female

**Are you a City of Gainesville Employee?**

---

Yes  No

**Are you a City of Gainesville Intern?**

---

Yes  No

**Are you currently on a City Advisory Board/Committee?**

---

Yes  No

**If yes, which Advisory Board/Committee?**

---

GACRAA



## Grace L. Horvath

2525 NW 18<sup>th</sup> Way Gainesville, FL 32605

Cell: (352) 316-4416

Home: (352) 271-1212

Email: [glambert3@cox.net](mailto:glambert3@cox.net)

### HIGHLIGHTS

- Executive level experience in sales, marketing, business development, program & services development and implementation in a variety of industries.
- Proven leadership skills in setting and achieving goals on behalf of for-profit and non-profit organizations
- Experienced in building, training, and managing sales, marketing, and volunteer teams
- Exceptional written and verbal communication skills with domestic and international experience

### PROFESSIONAL EXPERIENCE

#### **CPAmerica International Gainesville, FL**

##### VICE PRESIDENT OF SERVICES

**2011 – Present**

- Responsibility for programs and services offered to the members of CPAmerica International, a national not-for-profit trade association serving independent CPA firms. Responsible for ensuring services are aligned with objective of membership which is to improve through sharing. The association provides educational and networking events, firm marketing material, resources for recruiting development and retention of staff, and domestic and international business development tools that are designed to have a positive impact on the growth and profitability of member firms.
- Manage 9- person services team of member services, events, marketing and business development

#### **Emmer Development Gainesville, FL**

##### DIRECTOR OF SALES & MARKETING

**2010-2011**

- Developed and managed sales and marketing plans for multiple residential product lines including single family residential neighborhoods, large-scale student-oriented apartment complexes and affordable housing communities in Gainesville, Orlando and Pensacola

#### **Tioga Town Center Gainesville, FL**

**2003-2010**

##### DIRECTOR OF MARKETING & LEASING

- Developed comprehensive market analysis of current and future market conditions including market analysis of demographics, trends and forecasts, and industry competition from inception of Tioga Town Center

- Developed and implemented targeted branding campaign for brand new mixed-use center for commercial, consumer and residential audiences
- Directed and implemented all marketing, advertising and public relations opportunities including interaction with media, government officials and community leaders
- Developed and directed company's web-based marketing, print marketing, advertising & media plan, promotions and events including development & management of budgets
- Identified and procured the center's commercial tenant mix including negotiation of all leases and execution of legally binding documents
- Manage external services including real estate brokers, property management, advertising agencies, web designers, and other vendors as needed to achieve long term sales and marketing goals of the center
- **Highlights:** Procured 73% occupancy of new mixed-use development by grand opening of center; responsible for award winning brand awareness campaign; procured 100% occupancy of residential product less than one year on market

**North Florida Retirement Village  
Gainesville, FL**

**2002-2003**

DIRECTOR, THE TOWER CLUB

- Developed branding & marketing for North Central Florida's premiere retirement community including development of marketing materials and executing public relations events that increased profitability of facility
- Responsible for all new business development and sales of space and services within overall business plan of facility events
- **Highlights:** Created and implemented successful marketing plan including achieving most profitable booking rate to date

**Naylor Publications, Inc.  
Gainesville, FL**

**1999-2002**

PUBLISHER

- Responsible for new business development and client retention for international publishing & media company for trade associations in the national market including primarily New York City and Washington DC
- Propose, negotiate and manage all aspects of contracts with top association executives of over 40 various associations
- **Highlights:** Procured the highest first year publisher sales of \$2.1 million including signing most high profile accounts to date and expanding client roster into new industries

RECRUITER

- Created comprehensive recruitment plan in order to meet long-term hiring objectives
- Established and maintained contacts with colleges, universities and local community to promote image of Naylor as a premier employer and ensure flow of qualified applicants
- **Highlights:** Reduced turnover of sales representatives from 85% per year to 35% in one year. Awarded with prestigious *President's Cruise* in 2000 for "Recruiter of the Year" substantially exceeding the essential duties and responsibilities of the position

ADVERTISING SALES ACCOUNT EXECUTIVE

- Sold advertising space into publications while developing long-term, profitable relationships with clients
- **Highlights:** Achieved second to highest sales numbers in first two months as the only part-time member of my team. Promoted to recruiter within the fifth month at the company

**Lucky Seven Vintage Clothing  
Gainesville, FL**

**1996-1999**

**OWNER AND OPERATOR**

- Owned and operated a retail vintage clothing & collectibles store including acquisition of all inventory, management of employees, all administrative duties, sales, marketing & branding, and development of clientele
- **Highlights:** Diversified retail earnings and promoted local artists by creating a gallery setting for art exhibits and organizing and hosting art openings

**Christian Dior Perfumes, Inc.  
New York, NY**

**1986-1995**

**ACCOUNT COORDINATOR**

- **Highlights:** Transformed Christian Dior’s Southeast Florida Neiman Marcus business into profitable accounts by turning sales trends from a –30% to a +45% increase in volume in sixteen months

**TRAINER**

- **Highlights:** Created a training program for the Neiman Marcus stores, which revitalized business by strengthening product knowledge and cultivating professional selling skills

**EDUCATION**

**Florida International University  
Miami, FL**

**1994**

B.A. with honors, English Literature and Humanities

**COMMUNITY INVOLVEMENT AND AWARDS**

**Santa Fe College Woman of Distinction**

**2016**

**Business in the Heart of Florida Fierce Women List**

**2015**

**League of Community Colleges Innovation of the Year  
“Rotary Reading Safari” nationally recognized**

**2009**

**Girls Place Inc., Board Member of the Year**

**2007**

**Rotary Club of Gainesville (275+ members, est. 1918)**

- Club President **2013-2014**
- Foundation Board Chair & Feastmaster **2010-2011**

- Board of Directors **2007-2009**
- Rotary Reading Safari, Founding and Acting Chair **2007-2010**
  
- Advantage Publishing**
- Advisory Board of Directors **2010 - present**
  
- Girls Place, Inc. (formerly Girls Club of Alachua County)**
- Operations Board, Past President **2010**
- Operations Board, Director of PR and Community Relations **2006**
- Hats, Hearts and Handbags Event Co-Chair, PR & Marketing Chair **2005-2007**

**GAINESVILLE/ALACHUA COUNTY REGIONAL AIRPORT AUTHORITY  
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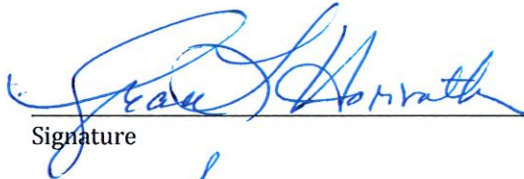
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\_\_\_\_\_  
Signature

  
\_\_\_\_\_  
Date

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Clerk of the Commission  
Airport Supplemental  
P.O. Box 490 MS 18  
Gainesville, FL 32627-0490  
[depclerk@cityofgainesville.org](mailto:depclerk@cityofgainesville.org)

Remember to retain a copy for your records.

**Profile**

Prefix	<u>Richard</u>	Middle Initial	<u>D</u>	Last Name	<u>Nelson</u>	Suffix	
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nelwood84@gmail.com  
Email Address

<u>2602 NE 11th Terr.</u> Street Address	<u></u> Suite or Apt
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<u>Gainesville</u> City	<u>FL</u> State	<u>32609</u> Postal Code
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**Ward**

District 2

<u>Home: (352) 284-8598</u> Primary Phone	<u>Business: (352) 392-8565</u> Alternate Phone
--	--

**Primary Phone Type**

Cell

**Alternate Phone Type**

Office

<u>University of Florida</u> Employer	<u>Assistant Director/Learning Specialist</u> Job Title
--	--

**Which Boards would you like to apply for?**

Bicycle Pedestrian Advisory Board: Submitted  
 Gainesville/Alachua County Regional Airport Authority: Submitted  
 Charter Review Commission: Submitted

PLEASE NOTE: You may only apply for two (2) City Advisory Boards/Committees each application cycle. A person may only be appointed to two (2) City Advisory Boards/Committees.

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Yes  No

**If yes, please submit a detailed explanation of exemption.**

---

## Interests & Experiences

**Why are you interested in serving on a board or commission?**

I have always been interested in the structure of local government and how it may be improved. I believe that as a long term (40 years) resident of Gainesville I will bring a balanced viewpoint to the issues under consideration to the boards that I am applying to serve on. In addition, my background as a 32 year employee of the University of Florida has exposed me to the dynamics of the town/gown relationship and the interdependence that exists between the city and university. I am a 30+ year homeowner/resident of North East Gainesville and I am well aware of the many issues confronting this segment of our community. Finally, as a person with a lifelong physical disability (I have used a power wheelchair since the age of 19) I know that I will bring an otherwise overlooked viewpoint to most issues brought to any board in which I am a member. I know that I will be able to offer a unique perspective on local governance and its impact on a marginalized segment of our local population.

**How many terms have you served on this board or committee previously?**

[Resume\\_11132018.pdf](#)

Upload a Resume

[Resume\\_11132018.pdf](#)

Please upload a file

---

## Demographics

**Ethnicity**

Caucasian/Non-Hispanic

**Gender**

Male

**Are you a City of Gainesville Employee?**

Yes  No

**Are you a City of Gainesville Intern?**

Yes  No



**Are you currently on a City Advisory Board/Committee?**

---

Yes  No

**If yes, which Advisory Board/Committee?**

---

RTS Advisory Board

# Richard D. Nelson

## *Home:*

2602 NE 11<sup>th</sup> Terrace  
Gainesville, FL 32609  
352-284-8598  
nelwood84@gmail.com

## *Work:*

University of Florida  
Disability Resource Center  
P.O. Box 114085  
Gainesville, FL 32611-4085  
352-392-8565  
rdnelson@ufl.edu

---

## **WORK EXPERIENCE**

January 2017 – Present  
January 2006 – January 2017  
March 1997 – January 2006  
November 1986 – March 1997

**Assistant Director/Learning Specialist**  
**Program Coordinator**  
**Program Assistant**  
**Senior Clerk**  
Disability Resource Center  
University of Florida, Gainesville, Florida

March 1985 – December 1988

**Owner / Operator Software Sales Company**  
GatorWare Computer Software  
Gainesville, Florida

July 1984 – November 1986

**Information Specialist**  
Briarwood Center for Independent Living  
Gainesville, Florida

## **EDUCATION**

December 2003

University of Florida  
Bachelor of Arts degree  
Majored in Geography

May 1979 – July 1982

University of Florida  
Majored in Architecture

January 1977 – December 1978

Florida Junior College, Jacksonville  
General Education

## **ORGANIZATIONS**

- 2018 – Present Board Member,  
City of Gainesville Regional Transportation System Citizens Advisory Board
- 2005 – Present Planetary Society, Pasadena, California
- 2001 – 2002 Board of Directors, Center for Independent Living, Gainesville, Florida
- 1989 – 2001 Visual Aids Volunteers of Florida, Tampa, Florida
- 1987 – Present International Plastic Modelers Society/USA Branch, Dayton, Ohio
- 1986 – 1990 Disabled Citizens Advisory Committee, City of Gainesville
- 1982 – 1985 Disabled Citizens Advisory Committee, Alachua County Commission

## **AWARDS / CERTIFICATIONS**

- 2005 Superior Accomplishment Award Nominee, Student Affairs, University of Florida
- 2001 Presidential Recognition, Outstanding Service, University of Florida
- 2000 Points of Light Award, Governor's Office, State of Florida
- 2000 Superior Accomplishment Award Nominee, Student Affairs, University of Florida
- 1998 President's Humanitarian Award, People Awareness Week, University of Florida
- 1997 Supervisory Challenge, Employee Development, University of Florida
- 1992 Distinguished Service Award, the Literacy Network & Gainesville Sun
- 1992 Superior Accomplishment Award, Student Affairs, University of Florida
- 1982 Presidential Recognition, Outstanding Student Award, University of Florida
- 1981 Ann Q. Lynch Award, Student Service Award, University of Florida

## **INTERESTS AND SKILLS**

- Areas of interest include travel, history, photography (traditional and digital), scale modeling, and other various crafts.
- Black and white photographic, development, and printing experience.
- Good working knowledge of use and abilities of an airbrush.
- Computer skills include working knowledge of Macintosh and IBM/PC computer systems and software. Including: Adobe Acrobat, PhotoShop, and PageMaker; Microsoft Word, Excel, and PowerPoint; FileMaker PRO, FreeHand, and PeopleSoft.

**GAINESVILLE/ALACHUA COUNTY REGIONAL AIRPORT AUTHORITY  
CERTIFICATION OF APPLICATION FOR MEMBERSHIP**

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GACCRA CERTIFICATION Page 2 of 2

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\_\_\_\_\_  
Signature

\_ July 17, 2019 \_\_\_\_\_  
Date

This supplement to the Gainesville/Alachua County Regional Airport Authority application is required to be included with the application before it can be submitted to the City Commission for consideration. Please fill in your name, print, sign and date this supplemental, attach it to your application and mail or email to:

Clerk of the Commission  
Airport Supplemental  
P.O. Box 490 MS 18 Gainesville,  
FL 32627-0490

[depclerk@cityofgainesville.org](mailto:depclerk@cityofgainesville.org)

Remember to retain a copy for your records.

**Profile**

Prefix David First Name Norton Middle Initial \_\_\_\_\_ Last Name \_\_\_\_\_ Suffix \_\_\_\_\_

dpnorton@ufl.edu  
 Email Address

2449 NW 93rd St Street Address Suite or Apt \_\_\_\_\_

Gainesville City FL State 32606 Postal Code

**Ward**

District 2

Mobile: (352) 871-5191 Primary Phone Mobile: (352) 871-0097 Alternate Phone

**Primary Phone Type**

Cell

**Alternate Phone Type**

Cell

University of Florida Employer Vice President for Research Job Title

**Which Boards would you like to apply for?**

Gainesville/Alachua County Regional Airport Authority: Submitted

PLEASE NOTE: You may only apply for two (2) City Advisory Boards/Committees each application cycle. A person may only be appointed to two (2) City Advisory Boards/Committees.

Question applies to Gainesville/Alachua County Regional Airport Authority

All applicants to the Gainesville/Alachua County Regional Airport Authority must submit a signed copy of the GACCRA Certification Form.

Download a pdf of the form at: [http://www.cityofgainesville.org/Portals/0/clerk/GACCRA\\_Certification\\_Form\\_2015.pdf](http://www.cityofgainesville.org/Portals/0/clerk/GACCRA_Certification_Form_2015.pdf)

Upload a scanned file of the completed form in the Interests & Experiences section of this application.

**Do you claim any exemption to public record disclosure pursuant to FLA. STAT. Section 119?**

Yes  No

**If yes, please submit a detailed explanation of exemption.**

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## Interests & Experiences

**Why are you interested in serving on a board or commission?**

For the past five years, I have served on the Gainesville/Alachua County Regional Airport Authority. This airport plays a critical role for a region, including the interests of the University of Florida. The continued health and growth of the airport is key to future prosperity for our community. As an administrator at UF, supporting the mission of the Gainesville/Alachua County Regional Airport is critically important to the campus and UF's aspirations as a leading national university.

**How many terms have you served on this board or committee previously?**

[DP\\_NORTON\\_CV\\_5Jan2019.pdf](#)

Upload a Resume

Please upload a file

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## Demographics

**Ethnicity**

Caucasian/Non-Hispanic

**Gender**

Male

**Are you a City of Gainesville Employee?**

Yes  No

**Are you a City of Gainesville Intern?**

Yes  No

**Are you currently on a City Advisory Board/Committee?**

Yes  No

**If yes, which Advisory Board/Committee?**

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Serve on Gainesville/Alachua County Regional Airport Authority, term ending July 31, 2019.



# David P. Norton

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## BIOGRAPHICAL INFORMATION

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### Personal Information

2449 NW 93<sup>rd</sup> St  
Gainesville, FL 32606

### Professional Experience

- Vice President for Research, University of Florida (2012-present)
- President, University of Florida Research Foundation (2013-present)
- Associate Dean for Research, College of Engineering, University of Florida (2009-2012)
- Professor, Dept. of Materials Science and Engr, University of Florida (2003-present)
- Associate Professor, Dept. of Materials Science and Engr, University of Florida (2000-2003)
- Sr. Research Staff Member, Solid State Division, Oak Ridge National Laboratory (1997-2000)
- Research Staff Member, Solid State Division, Oak Ridge National Laboratory (1991-1997)
- Eugene P. Wigner Postdoctoral Fellow, Oak Ridge National Laboratory (1989-1991)

### Education

- Ph.D., Electrical and Computer Engineering, Louisiana State University (1989)
- B.S., Electrical and Computer Engineering (Magna Cum Laude), Louisiana State University (1984)

### Honors and Awards

- Fellow, National Academy of Inventors (2012)
- Fellow, American Association for the Advancement of Science (2009)
- Fellow, American Physical Society (2007)
- Fellow, American Vacuum Society (2006)
- UF Research Foundation Research Professorship (2007)
- UF College of Engineering Doctoral Dissertation Advisor Award (2007)
- UF-MSE Faculty Excellence Award (2004)
- DOE Energy 100 Award for RABiTS Superconducting Tape (2001)
- Federal Laboratory Consortium (FLC) 2001 Award for Excellence in Technology Transfer (2001)
- R&D 100 Award for Coated Superconducting Tape (1999)
- American Museum of Science and Energy Technological Achievement Award (1999)
- Lockheed-Martin Technical Achievement Award (1999)
- National Academy of Engineering Frontiers of Engineering Invitee (1998)
- Lockheed-Martin Corporation Nova Award (1997)
- Lockheed-Martin Technical Achievement Award (1997)
- Lockheed-Martin Significant Event Award (1996)
- Dept. of Energy Division of Materials Research Competition Award (1996)
- Martin Marietta Energy Systems Technical Achievement Award (1991)
- Martin Marietta Energy Systems Significant Event Award (1991)
- Martin Marietta Energy Systems Technical Achievement Award (1990)
- Martin Marietta Energy Systems Significant Event Award (1990)
- ORNL Eugene P. Wigner Postdoctoral Fellow (1989)
- Louisiana State University 1989 Distinguished Dissertation Award (1989)
- Louisiana State University Troy H. Middleton Scholarship (1985)
- Louisiana State University Alumni Federation Fellow (1984)

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## ADMINISTRATIVE LEADERSHIP EXPERIENCE

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- Vice President for Research, University of Florida (2012-present) – UF is one of the most comprehensive land-grant research universities in the US, comprised of 16 colleges, 2 hospitals, and over 52,000 students. UF is a member of the Association of American Universities (AAU) and ranked 8<sup>th</sup> among US public universities in the 2019 US News & World Report rankings.  
As the Vice President for Research, responsibilities are as follows:
  - Serves on UF Cabinet and reports directly to President of the University of Florida
  - Chief executive and institutional official overseeing the University of Florida’s research enterprise, with research awards increasing from \$644M in FY2012 to \$837M in FY2018.
  - Directs the UF Office of Research, a 500-plus employee operation comprised of the following:
    - Research Program Development – identifies funding opportunities, supports complex proposal development, facilitates interdisciplinary research and industry collaborations
    - Division of Sponsored Programs – responsible for all sponsored proposal submissions and award negotiations for UF
    - Office of Contracts & Grants - manages financial accounting, billing, closeout, and fiscal compliance for all sponsored projects
    - Research Compliance & Global Support – oversees UF research compliance, which includes responsible conduct in research, export control, research misconduct, and classified activities; recently expanded to include oversight and support of out-of-country research activities.
    - Institutional Review Committees – Institutional Review Boards, Institutional Animal Care and Use Committee, Institutional Biosafety Committee
    - Research Communications – disseminates research-related news items via traditional and social media platforms, including publication of UF Explore magazine
    - UF-Wide Interdisciplinary Research Centers – provides scientific leadership and shared infrastructure support, including human subject clinical studies and animal care facilities
    - UF INNOVATE – innovation ecosystem at UF to move research discoveries from the laboratory to the market; includes a comprehensive technology transfer program that consistently ranks in the top 10 in the Association of University Technology Managers rankings, along with award-winning startup incubator program that includes ~ 140,000 sq. ft. for startups
  - Serves as research liaison for government leaders and offices at the local, state, and federal level, including the newly established UF Federal Relations Office in Washington, DC
  - Serves on the UF Academic Personnel Board, the committee that performs final review and advises the president on all faculty promotion and tenure nomination packets.
- President, University of Florida Research Foundation (2013-present)
  - Chief Executive Officer for not-for-profit Direct Service Organization (501.c.3) that assists in the commercialization of intellectual property.
- Associate Dean for Research, College of Engineering, University of Florida (2009-2012)
  - Support faculty, post-docs, and students within the College in developing and maintaining internationally recognized research programs
  - Identifying new research opportunities, facilitating interdisciplinary pursuits, and promote the College’s research portfolio to research sponsors
  - Serve as the College’s primary interface with the UF Division of Sponsored Research.
  - Oversight of the Office of Engineering Research which assists faculty with proposal submissions and administration of awards.
  - Review and approval of all research proposals and cost sharing commitments.
  - Oversee research compliance efforts in the College.
  - Oversee various College-wide centers, institutes, and auxiliaries

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**PROFESSIONAL SERVICE**

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**Professional Service / National and International**

- Board Member, Council on Government Relations (COGR) 2015-present
- Executive Committee Member, APLU Council on Research (CoR) 2014-2017
- Liason to Commission on International Initiatives, APLU-CoR 2016-present
- Trustee, Southeastern Universities Research Association (SURA) 2012-present
- Councilor, Oak Ridge Associated Universities (ORAU) 2012-present
- UF Representative, National Academies Government-University-Industry Research Roundtable (GUIRR) 2015-present
- Chair, Government Affairs Committee, Materials Research Society 2018-present
- Chair, Government Agencies Subcommittee, Materials Research Society 2013-2016
- Member, Government Affairs Committee, Materials Research Society 2010-present
- Proposal Review Committee, Center for Nanophase Materials Sciences, Oak Ridge National Laboratory 2006-present
- Member, AAU Senior Research Officers Meeting Planning Committee 2016, 2019
- Review Panelist, NSF Office of Integrative Activities 2015
- On-Site Program Reviewer, Science Foundation Ireland 2011, 2013, 2018
- Review Panelist, NSF Division of Materials Research 2011
- ORNL NA-22 Program Review, Oak Ridge National Laboratory 2008, 2010
- ORNL DOE Center Proposal Review, Oak Ridge National Laboratory 2008
- Site Reviewer, NSF Materials Research Science and Engineering Ctr Yale University 2009
- Review Panelist, US-DOE Annual Superconductivity Peer Review 2002-2006, 2009
- Review Panelist, 2004 NSF CAREER Award Program 2004
- Panelist for Reverse-Site Proposal Review, NSF MRSEC Program 2005
- Executive Committee, Electronic Materials and Processing Division, American Vacuum Society 2002
- Grant Proposal Reviewer for the National Science Foundation, Air Force Office of Scientific Research, Department of Energy Various

**Professional Service / State and Regional**

- Trustee, Florida Chamber Foundation 2018-present
- Member, Economic Development Committee Gainesville Area Chamber of Commerce 2017-present
- Interim Director, Florida Energy Systems Consortium 2015-present
- Vice Chair, Florida Research Consortium 2017-present
- Board Member, Florida Research Consortium 2012-present
- Board Member, Gainesville - Alachua County Regional Airport Authority 2015-present
- Member, Florida Inventors Hall of Fame Selection Committee 2014-present

**Professional Service / University**

## University Level

- Vice President for Research, University of Florida 2012-present
- President, University of Florida Research Foundation 2013-present
- Member, UF Foundation Pre-Campaign Steering Council 2015-present

- Committee Member, University Academic Personnel Board 2012-present
- Member, Presidential Search Committee 2014
- Member, Presidential Search Committee 2012
- Interim Director, Florida Institute for Sustainable Energy 2010-2012
- Nanoscience Institute for Medical and Engineering Technologies Committee (NIMET) 2004-2011
- UF Task Force on the Governor's Initiative in Technology 2002

College Level

- Associate Dean for Research 2009-2012
- Chair, Search Committee for Associate Dean for Academic Affairs 2010
- UF NanoFabrication Facility Committee 2003-2008
- UF Nanofabrication Facility Director 2006-2008
- Nanoscale Research Facility Cleanroom Director 2008
- NanoScience and Technology Ctr. Faculty Steering Committee 2002-2004
- Chair, College of Engineering Nanotechnology Bldg. Committee 2001-2002

Department Level

- MAIC Committee 2003-2010
- MSE Safety Committee 2004-2008
- Dept. of Materials Science and Engr. Curriculum Committee 2002-2008
- Dept of Materials Science and Engr. Qualifying Exam Committee 2002-2008
- Search Committee for Faculty, Materials Science and Engr. 2002
- Search Committee for Nanoscience Faculty, Dept. of Physics. 2002-2004
- Search Committee for Dept. Chair, Materials Science and Engr. 2002-2003
- Search Committee for MSE Assistant in Engr. 2002-2003

**Activities in Organizing Professional Conferences**

- International Program Committee: 17<sup>th</sup> International Workshop on Oxide Electronics, Jawaji City, Japan, October 2010.
- International Program Committee: 16<sup>th</sup> International Workshop on Oxide Electronics, Tarragona, Spain, October 2009.
- Session Co-Organizer, Focused Session on Zinc Oxide: Growth, Doping, Defects, Nanostructures, and Devices; Electronic Materials Conference, Pennsylvania, June 2009
- Focused Session Organizer, 33<sup>rd</sup> International Conference on Advanced Ceramics and Composites (ICACC), Daytona Beach, FL, January 2009
- Session Co-Organizer, Focused Session on Zinc Oxide: Growth, Doping, Defects, Nanostructures, and Devices; Electronic Materials Conference, California, June 2008
- Focused Session Organizer, 32<sup>nd</sup> International Conference on Advanced Ceramics and Composites (ICACC), Daytona Beach, FL, January 2008
- Symposium Organizer, Zinc Oxide and Related Materials, 2007 Fall Meeting of the Materials Research Society, Boston, MA, November, 2007.
- International Program Committee: 14<sup>th</sup> International Workshop on Oxide Electronics, Jeju Island, Korea, October 2007.
- Subcommittee Member: 34<sup>th</sup> International Symposium on Compound Semiconductors (ISCS 2007), Kyoto University, Kyoto, Japan, October 2007
- Session Co-Organizer, Focused Session on Zinc Oxide: Growth, Doping, Defects, Nanostructures, and Devices; Electronic Materials Conference, Indiana, June 2007
- Session Co-Organizer, Focused Session on Zinc Oxide: Growth, Doping, Defects, Nanostructures, and Devices; Electronic Materials Conference, Pennsylvania, June 2006
- International Program Committee: 13<sup>th</sup> International Workshop on Oxide Electronics, Ischia, Italy,

- October 2006.
- Session Organizer: Multi-Functional Materials and Devices: 2006 Lester Eastman Conference On High Performance Devices, Cornell University, Ithaca, NY, August 2006
  - Co-Organizer: 12<sup>th</sup> International Workshop on Oxide Electronics, Chatham, MA, October 2005.
  - Focused Session Organizer, APS DMP, American Physical Society March Meeting, Los Angeles, CA, March 2005
  - Session Co-Organizer, Focused Session on Zinc Oxide: Growth, Doping, Defects, Nanostructures, and Devices; Electronic Materials Conference, Santa Barbara, CA, June 2005
  - Symposium Organizer, Functional and Multifunctional Oxide Films, 2004 Fall Meeting of the Materials Research Society, Boston, MA, November, 2004.
  - International Program Committee: 11<sup>th</sup> International Workshop on Oxide Electronics, Japan, September 2004.
  - International Program Committee: 10<sup>th</sup> International Workshop on Oxide Electronics, Augsburg, Germany, September 2003.
  - Session Chair, ONR Workshop on Epitaxial Heterogeneous Interfaces – Formation & Epitaxy, Tenaya Lodge at Yosemite, Fish Camp, CA, May, 2003.
  - Session Chair, 2003 Spring Meeting of the Materials Research Society, San Francisco, CA, April 2003
  - International Program Committee: 10<sup>th</sup> International Workshop on Oxide Electronics, Augsburg, Germany, September 2003.
  - Session Chair, 2002 Fall Meeting of the Materials Research Society, Boston, MA, November 2002
  - Organizer and Co-Chair, 9<sup>th</sup> International Workshop on Oxide Electronics, St. Petersburg, FL, October 2002.
  - Session Chair, 5<sup>th</sup> European Conference on Applied Superconductivity, Copenhagen, Denmark, August 2001.
  - Organizing Committee: 8<sup>th</sup> Intl. Workshop on Oxide Electronics, Osaka, Japan, September 2001.
  - International Advisory Committee: Second International Symposium on Laser Precision Microfabrication, Singapore, May 2001
  - Program Committee: SPIE International Symposium on High-Power Lasers and Applications; Conference on Laser Applications in Microelectronic and Optoelectronic Manufacturing VI, San Jose, CA, January 2001.
  - Organizing Committee: 7<sup>th</sup> International Workshop on Oxide Electronics, Les Diablerets, Switzerland, October 2000.
  - Session Chair, 2000 International Conference on Electronic Materials and European Materials Research Society Meeting, Strasbourg, France, June 2000.
  - Symposium Organizer and Co-Chair: "Symposium on Laser-Solid Interactions for Materials Processing," Spring Meeting of the Materials Research Society, San Francisco, CA April 2000.
  - Session Chair, Spring Meeting of the Materials Research Society, San Francisco, CA, April 2000.
  - Symposium Organizer and Co-Chair, "Symposium on Substrate Engineering-Paving the Way to Epitaxy," Fall Meeting of the Materials Research Society, Boston, MA, November 1999.
  - Session Chair, Fall Meeting of the Materials Research Society, Boston, MA 1999
  - Session Chair, Spring Meeting of the Materials Research Society, San Francisco, CA 1998.
  - Organizer, DMP Focused Sessions: "Laser Ablation and Low-Energy Beam-Assisted Film Growth", American Physical Society March Meeting, Kansas City, MO, March 1997
  - Conference Organizer and Co-Chair, "Advanced Applications of Lasers in Materials Processing," IEEE/LEOS Summer Topical Meeting, Keystone, CO, March 1996.
  - Session Chair, Spring Meeting of the Materials Research Society, San Francisco, CA 1995.
  - Session Chair, TMS Annual Meeting, Las Vegas, NV 1995.
  - Symposium Organizer and Co-Chair, "Symposium on Advanced Laser Processing of Materials-Fundamentals and Applications," Fall Meeting of the Materials Research Society, Boston, MA, November 1995.

- Session Chair, Spring Meeting of the Materials Research Society, San Francisco, CA 1995.
- Session Chair, ETL Workshop on High Temperature Superconductors, Tsukuba-shi, Japan 1993.
- Symposium Organizer and Co-Chair, "Symposium on Laser Ablation in Materials Processing: Fundamentals and Applications," Fall Meeting of the Materials Research Society, Boston, MA, November 1992.

**Editorial Activities For Scholarly Journals**

- Associate Editor, Journal of Crystal Growth (2002-2017)
- Reviewer for the following journals: Applied Physics Letters, Journal of Applied Physics, Journal of Materials Research, Physical Review B, Physical Review Letters, Physica B, Physica C, Physica E, Journal of Vacuum Science and Technology, Applied Physics A, Advanced Materials, Surface and Coating Technology, Journal of Physics: Condensed Matter, Journal of Physics D: Applied Physics, The Journal of Physical Chemistry, Crystal Growth & Design, Chemical Physics Letters, Materials Letters, Applied Surface Science, Inorganic Chemistry, Materials Research Bulletin, Semiconductor Science and Technology, Superconductor Science and Technology

**Professional Society Membership**

- Fellow, American Physical Society
- Fellow, American Vacuum Society
- Fellow, American Association for the Advancement of Science
- Member, Materials Research Society
- Member, American Society for Engineering Education
- Member, Electrochemical Society
- Member, Institute of Electrical and Electronic Engineers
- Member, American Ceramic Society

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## **RESEARCH AND SCHOLARSHIP ACTIVITIES**

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### **Research Interests**

- Thin-Film Electronic Materials (synthesis, properties, and devices)
- Electronic Oxides (superconductors, ferroelectrics, dielectrics, magnetic and optical)
- Nanostructure Synthesis and Properties

### **Supervised Ph.D. Dissertations Completed**

1. Kyeong-Won Kim "Growth and characterizations of complex oxide thin film heterostructures via pulsed laser deposition," August 2012
2. Seonhoo Kim, "Room Temperature Deposited Amorphous Semiconducting Oxides and Perovskite Complex Oxide Heterostructures," December 2011
3. Joseph Cianfrone, "Functional complex oxide thin films and related superlattices grown via pulsed laser deposition," December 2010
4. Fernando Lugo, "Synthesis and characterization of silver doped zinc oxide thin films for optoelectronic devices," May 2010
5. Patrick Sadik, "Examination of ZnO, CuCrO<sub>2</sub>, and CuScO<sub>2</sub> properties for use in transparent electronics and chemical sensors," August 2009.
6. Charlee J. Callender, "Synthesis and characterization of BaFeO<sub>3</sub> and BiFeO<sub>3</sub> epitaxial films," May 2009.
7. Lii-Cherng (Daniel) Leu, "Development of alternative diffusion barriers for advanced copper interconnects," December 2008
8. Hyun-Sik Kim, "Growth and characterization of ZnO thin films for light emitting diodes," May 2008
9. Li-Chia Tien, "Synthesis and applications of metal oxide nanowires," May 2008
10. Mat Ivill, "Development of transition-metal doped Cu<sub>2</sub>O and ZnO dilute magnetic semiconductors for spintronic applications," August 2007
11. Jean-Marie (George) Erie, "Pulsed laser deposition of doped ZnO and (Mg,Zn)O films for optoelectronic applications," May 2007
12. Seemant Rawal, "Alternative nitride diffusion barriers on silicon and germanium for copper metallization," December 2006
13. Kyung-Hoon Kim, "Nucleation and epitaxy of conductive buffers on (001) Cu For coated high-temperature superconducting conductors," August 2005
14. Hyung-Jin Bae, "Epitaxial Growth and Properties of KTaO<sub>3</sub> and Related Alloys," May 2005
15. Yuanjie Li, "development of ZnO-based thin film transistors and phosphorus-doped ZnO and (Zn,Mg)O by pulsed laser deposition," May 2005
16. Byoung-Seong Jeong, "Growth and Ferromagnetic Semiconducting Properties of TiO<sub>2</sub> thin films: an oxide-diluted magnetic semiconductor (O-DMS) for spintronics," May 2004
17. Jennifer Sigman, "Dielectric Response of K(Ta,Nb)O<sub>3</sub> thin films and superlattices grown by pulsed laser deposition," August 2004
18. Seh-Jin Park, "Growth of biaxially textured template layers using ion beam assisted deposition," December 2004
19. Yongwook Kwon, "Fabrication and characterization of ZnO-Based thin film field effect transistors," December 2004
20. Young-Woo Heo, "Growth and characterization of ZnO nanowires and thin films," December 2003.

### **Patents Issued**

1. Norton DP, Park S-J, "Method of producing biaxially textured substrates and related articles, devices and systems," August 4, 2009, US Patent #7,569,521
2. Norton DP, Selvamanickam V, "Method of producing biaxially textured buffer layers and related articles, devices and systems," February 1, 2005, US Patent #6,849,580
3. Norton DP, Park C, Goyal A, "Buffer architecture for biaxially textured structures and method of fabricating same," April 6, 2004, US Patent #6,716,795
4. Goyal A, Kroeger DM, Paranthaman M, Lee DF, Feenstra R, Norton DP, "Method of depositing a protective layer over a biaxially textured alloy substrate and composition therefrom," September 17, 2002, US Patent #6,451,450
5. Norton DP "Method of physical vapor deposition of metal oxides on semiconductors," April 10, 2001, US Patent # 6,214,712.
6. Budai JD, Christen DK, Goyal A, He Q, Kroeger DM, Lee DF, List III FA, Norton DP, Paranthaman M, Sales BC, Specht ED, "High Tc YBCO superconductor deposited on biaxially textured Ni substrate," October 19, 1999, US Patent #5,968,877
7. Goyal A, Budai JD, Kroeger DM, Norton DP, Specht ED, Christen DK, "Structures having enhanced biaxial texture," September 28, 1999, US Patent #5,958,599
8. Goyal A, Budai JD, Kroeger DM, Norton DP, Specht ED, Christen DK, "Structures having enhanced biaxial texture and method of fabricating same," April 27, 1999, US Patent #5,898,020
9. Goyal A, Budai JD, Kroeger DM, Norton DP, Specht ED, Christen DK, "Structures having enhanced biaxial texture and method of fabricating same," April 21, 1998, US Patent #5,741,377
10. Goyal A, Budai JD, Kroeger DM, Norton DP, Specht ED, Christen DK, "Structures having enhanced biaxial texture and method of fabricating same," April 14, 1998, US Patent # 5,739,086

### **Publication Record**

Author/co-author of over 370 refereed journal articles. Publications cited over 17,500 times; *h*-index is 64.

1. Kim KW, Ghosh S, Buvaev S, Hebard AF, Norton DP, "Superlattice periodicity and magnetic properties of Ba<sub>2</sub>FeMoO<sub>6</sub>/Ba<sub>0.5</sub>Sr<sub>0.5</sub>TiO<sub>3</sub> system," Journal of Applied Physics 119 (2016), 215303.
2. Kim KW, Ghosh S, Buvaev S, Hebard, Norton, DP, "Strain induced enhancement of magnetization in Ba<sub>2</sub>FeMoO<sub>6</sub> based heterostructure with (Ba<sub>x</sub>Sr<sub>1-x</sub>)TiO<sub>3</sub>," Journal of Applied Physics 119 (2016), 185304.
3. Kim KW, Ghosh S, Buvaev S, Mhin S, Jones JL, Hebard AF, Norton DP, "The effects of oxygen pressure on disordering and magneto-transport properties of Ba<sub>2</sub>FeMoO<sub>6</sub> thin films grown via pulsed laser deposition," Journal of Applied Physics 118 (2015), 033903.
4. Park JC, Kim KW, Gila BP, Lambers ES, Norton DP, Pearton SJ, Ren F, Kim JK, Cho H, "Measurement of Band Offsets in Y<sub>2</sub>O<sub>3</sub>/InGaZnO<sub>4</sub> Heterojunctions," Journal of Nanoscience and Nanotechnology 14 (2014), 8445-8448.
5. Park JC, Kim KW, Lee JW, Gila BP, Norton DP, Ren F, Pearton SJ, Jeong OG, Kim TG, Kim JK, Cho H, "Measurement of Band Offsets in (Ce, Tb)MgAl<sub>11</sub>O<sub>19</sub>/InGaZnO<sub>4</sub> Heterostructure System, Journal of Ceramic Processing Research 15 (2014), 545-548.
6. Kim JK, Kim KW, Douglas EA, Gila BP, Craciun V, Lambers ES, Norton DP, Ren F, Pearton SJ, Cho, H, "Band Offsets in YSZ/InGaZnO<sub>4</sub> Heterostructure System," Journal of Nanoscience and Nanotechnology 14 (2014), 3925-3927.
7. Lawrie BJ, Kim KW, Norton DP, Haglund RF, "Plasmon-Exciton Hybridization in ZnO Quantum-Well Al Nanodisc Heterostructures," Nano Letters 12 (2012), 6152-6157.
8. Kim, KW, Lugo FJ, Lee JH, Norton DP, "The effects of ZnO buffer layers on the properties of phosphorus doped ZnO thin films grown on sapphire by pulsed laser deposition," Journal of Physics D-Applied Physics 45 (2012), 455102.



9. Kim KW, Ghosh S, Buvaev S, Mhin S, Jones JL, Hebard AF, Norton DP, "Magnetic and magneto-transport properties of Ba<sub>2</sub>FeMoO<sub>6</sub> pulsed laser deposited thin films," *Journal of Applied Physics* 112, (2012) 083923.
10. Heo YW, Pearton SJ, Norton DP, "Size-Dependent Electrical Conductivity of Indium Zinc Oxide Deposited by RF Magnetron Sputtering," *Journal of Nanoscience and Nanotechnology* 12 (2012), 3264-3267.
11. Chu MH, Lee JH, Kim JJ, Kim KW, Norton DP, Heo YW, "Low Temperature Growth and Optical Properties of ZnO Nanowires Using an Aqueous Solution Method," *Journal of Nanoscience and Nanotechnology* 12 (2012), 1415-1420.
12. Socol G, Craciun D, Mihailescu IN, Stefan N, Besleaga C, Ion L, Antohe S, Kim KW, Norton D, Pearton SJ, Galca AC, Craciun V, "High quality amorphous indium zinc oxide thin films synthesized by pulsed laser deposition," *Thin Solid Films* 520 (2011), 1274-1277.
13. Kim SY, Sung SY, Jo KM, Lee JH, Kim JJ, Pearton SJ, Norton DP, Heo YW "Structural properties of the epitaxial CuCr<sub>0.95</sub>Mg<sub>0.05</sub>O<sub>2</sub> thin films on c-plane sapphire substrates by pulsed laser deposition," *Journal of Crystal Growth* 326 (2011), 9-13.
14. Bennett CJC, Kim HS, Varela M, Biegalski MD, Kim DH, Norton DP, Meyer HM, Christen HM, "Compositional tuning of the strain-induced structural phase transition and of ferromagnetism in Bi<sub>1-x</sub>Ba<sub>x</sub>FeO<sub>3-delta</sub>," *Journal of Materials Research* 26, (2011), 1326-1331.
15. Heo YW, Cho KM, Sun SY, Kim SY, Lee JH, Kim JJ, Norton DP, Pearton SJ, "Effects of channel dimensions on performance of a-InGaZnO(4) thin-film transistors," *Journal Of Vacuum Science & Technology B* 29, (2011), 021203
16. Lee KC, Jo KM, Sung SY, Lee JH, Kim JJ, Jeong BS, Pearton SJ, Norton DP, Heo YW," Low temperature processing of indium-tin-zinc oxide channel layers in fabricating thin-film transistors," *Journal Of Vacuum Science & Technology B* 29, (2011), 021008
17. Khanna R, Douglas EA, Norton DP, Pearton SJ, Ren F, "Ti/Au Ohmic contacts to indium zinc oxide thin films on paper substrates," *Journal Of Vacuum Science & Technology B* 28, (2010), L43-L46.
18. Sung SY, Kim SY, Jo KM, Lee JH, Kim JJ, Kim SG, Chai KH, Pearton SJ, Norton DP, Heo YW, "Fabrication of p-channel thin-film transistors using CuO active layers deposited at low temperature," *Applied Physics Letters* 97, (2010), 222109/1-3.
19. Heo, YW, Pearton SJ, Norton, DP, "Size-Dependent UV Photosensitivity of Indium Zinc Oxide," *Journal Of Nanoelectronics And Optoelectronics* 5, (2010), 143-146.
20. Chu MH, Kim SY, Sung SY, Lee JH, Kim JJ, Norton DP, Pearton SJ, Heo YW, "Catalyst-Free Patterned Growth of Well-Aligned ZnO Nanowires on ITO Substrates Using an Aqueous Solution Method and Lithography Process," *Journal Of Nanoelectronics And Optoelectronics* 5, (2010), 186-190.
21. Kim S, Cianfrone JA, Sadik P, Kim KW, Ivill M, Norton DP, "Room temperature deposited oxide p-n junction using p-type zinc-cobalt-oxide," *Journal Of Applied Physics* 107, (2010), 103538/1-5.
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**Book Chapters**

1. Heo YW, Pearton SJ, Norton DP, Ren F, "ZnO Thin Film and Nanowire Based Sensor Applications", in Semiconductor Device-Based Sensors for Gas, Chemical, and Biomedical Applications, eds. Fan Ren and Stephen J Pearton, (CRC Press), (2011).
2. Pearton SJ, Kang BS, Ren F, Norton DP, Tien LC, "Properties of ZnMgO Nanowires for Sensors," in Metal Oxide Nanostructures and their Applications, ed. A.Umar and Y.B.Hahn (American Scientific Publishers, Stevenson Ranch, CA), (2008).
3. Norton DP, "Pulsed laser deposition of complex materials: Progress toward applications," in Pulsed Laser Deposition of Thin Films, ed. R. Eason, (Wiley), (2007), pp. 1-32.
4. Pearton SJ, Kang BS, Norton DP, Ren F, Heo Y-W, Chang C-Y, Chi G-C, Wang W-M, Chen L-C, "Wide Bandgap Semiconductor Nanowires and Devices", in Physics, Chemistry and Applications of Doped Nano Materials, ed. H.S.Nalwa (American Scientific Publishers, Stevenson Ranch, CA (2006).
5. Ip K, Pearton SJ, Norton DP, Ren F, "Advances in Processing of ZnO," in Zinc Oxide Bulk, Thin Films, and Nanostructures, eds. C. Jagadish and S. J. Pearton, (Elsevier), pp. 313-338, (2006) .
6. Heo Y-W, Ren F, Norton DP, "Gas, Chemical, and Biological Sensing with ZnO," in Zinc Oxide Bulk, Thin Films, and Nanostructures, eds. C. Jagadish and S. J. Pearton, (Elsevier), (2006), pp. 491-524.
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12. Norton DP, "Science and Technology of High-Temperature Superconducting Films," in Annual Reviews of Materials Science, vol. 28, (1998), pp. 299-347.

**Books Edited**

1. Advances in Electronic Ceramics II, Eds. Shashank Priya, Anke Weidenkaff, and David P. Norton, Volume 30, Issue 9, Wiley, 2009.
2. Developments in Strategic Materials, Eds. H.-T. Lin, K. Koumoto, W. M. Kriven, E. Garcia, I. E. Reimanis, and D. P. Norton, Volume 29, Issue 10, 2008.
3. Laser-Solid Interactions for Materials Processing, Eds. D. Kumar, D. P. Norton, C. B. Lee, K. Ebihara, and X. Xi, Materials Research Society Proceedings Volume 617, MRS, 2001.
4. Substrate Engineering-Paving the Way to Epitaxy, Eds. D. P. Norton, D. G. Schlom, N. Newman, and D. H. Matthiesen, Materials Research Society Proceedings Volume 587, MRS, 2000.
5. Advanced Laser Processing of Materials-Fundamentals and Applications, Eds R. K. Singh, D. Norton, L. D. Laude, J. Narayan, and J. Cheung, Materials Research Society Proceedings Volume 397, MRS, 1996.
6. Laser Ablation in Materials Processing: Fundamentals and Applications, Eds B. Braren, J. J. Dubowski, and D. Norton, Materials Research Society Proceedings Volume 285, MRS, 1993.

### **Invited Seminars**

1. "Research Activities within the College of Engineering at the University of Florida," Harris Corporation, Melbourne, FL, 2010
2. "Emerging Science and Technology Opportunities in Electronic Oxides," Army Research Laboratory, Aberdeen Proving Grounds, Aberdeen, MD, June 2009.
3. "ZnO Thin Films and Nanowires for Photonics, Spintronics, and Sensors," Vanderbilt University, Nashville, TN, December 2007
4. "ZnO Thin Films and Nanowires for Photonics, Spintronics, and Sensors," Seoul National Laboratory, Seoul, Korea, October 2007
5. "ZnO Thin Films and Nanowires for Photonics, Spintronics, and Sensors," Kyungpook National Laboratory, Daegu, Korea, October 2007
6. "Charge and Spin-Based Electronics using ZnO Thin Films and Nanowires," University of Alabama, Tuscaloosa, AL, October 2004
7. "Nucleation and Epitaxy of Heteroepitaxial Oxide Films," Naval Research Laboratory, October 2000.
8. "Status of Rolling Assisted Biaxially Textured Substrates for HTS Coated Conductors," Institut für Festkörper- und Werkstofforschung, Institute for Metallic Materials, Dresden, Germany, October 2000.
9. "Electronic oxide thin-film materials: From superconductivity to microelectronics," ENEA, Frascati Research Center, Rome, Italy, June 2000.
10. "Electronic oxide thin-film materials: From superconductivity to microelectronics," University of Twente, Enschede, Netherlands, May 2000.
11. "Electronic oxide thin-film materials: From superconductivity to microelectronics," Département Physique, De La Matière Condensée, University of Geneva, Geneva, Switzerland, May 2000.
12. "Electronic oxide thin-film materials: From superconductivity to microelectronics," Dept. of Physics, Vanderbilt University, April 2000
13. "High-k Dielectrics for MOSFET Gate Oxides," Intel Corp., Santa Clara, CA, April 1999.
14. "Properties of Infinite Layer (Ca,Sr)CuO<sub>2</sub> Thin Films," IBM Yorktown Heights, 1994.
15. "Thin Film Heterostructures by Laser Ablation," Dept. of Materials Science and Engr., University of Florida, October, 1995.
16. "Formation of Artificially Layered Superconducting Materials by Pulsed-Laser Deposition," Dept. of Materials Science and Engineering, University of Tennessee, Knoxville, TN, October 1994.

### **Presentations At Professional Conferences/Meetings**

#### ***Invited Presentations (First-Author)***

1. "Pulsed-Laser Deposition of ZnO Thin Films and Heterostructures for Device Applications," American Physical Society March Meeting, Pittsburgh, PA, March 2009
2. "P-type conduction and light-emitting diodes using phosphorus-doped ZnO," 2008 Fall Meeting of the Materials Research Society, Materials Research Society, Boston, MA, November 2008.
3. "ZnO thin film and nanowire devices," 214th Meeting of the Electrochemical Society, Honolulu, HI, October 2008.
4. "P-type Doping and Light Emitting Junction Formation in ZnO," 213<sup>th</sup> Meeting of the Electrochemical Society, Phoenix, AR, May 2008
5. "ZnO P-Type Doping in ZnO Thin Films: Current Status," 14<sup>th</sup> International Workshop on Oxide Electronics, Jeju Island, Korea, October 2007
6. "Doping in ZnO Thin Films and Heterostructures," Annual Meeting of the Southeast Section of the American Physical Society, Nashville, TN, November 2007.
7. "Synthesis and Doping in ZnO Films and Nanowires," Conference on Laser Ablation, Tenerife, Spain, September 2007
8. "ZnO Thin Films and Nanowires for Photonics, Spintronics, and Sensors", 5th International Sym-

9. posium on Transparent Oxide Thin Films for Electronics and Optics, Kanagawa, Japan, May 2007
9. "Transition metal doped ZnO for spintronics," 2007 Spring Meeting of the Materials Research Society, Materials Research Society, San Francisco, CA, April 2007
10. "Nanostructured Perovskite Thin Films for Tunable RF Applications," 32<sup>nd</sup> Annual GOMACTech Conference, GOMAC, Lake Buena Vista, FL, March 2007
11. "Chemical Sensing with ZnO nanorods," TMS 2007 Annual Meeting & Exhibition, TMS, Orlando, FL, February 2007
12. "ZnO PN Junctions for Highly-Efficient, Low-Cost Light Emitting Diodes," DOE Solid State Lighting Workshop, DOE, Phoenix, AR, January 2007
13. "Charge Carrier And Spin Doping In ZnO Thin Films For Device Applications", 2006 Fall MRS Meeting, Boston, MA, December 2006
14. "P-type doping and electroluminescence for ZnO," SPIE Meeting, San Diego, CA, August 2006
15. "Charge- and Spin-Based Devices in ZnO Thin Films and Nanostructures," American Physical Society March Meeting, Baltimore, MD, March 2006
16. "Ferromagnetism in ZnO:Mn Epitaxial Films: Dependence on Carrier Density," AFOSR Wide Band Gap Ferromagnetic Semiconductors Workshop, Edinburgh, Scotland, May 2005
17. "Pulsed laser deposition of acceptor doped ZnO," European-MRS, E-MRS, Strasbourg, France, May 2005
18. "Charge carrier and spin doping in ZnO thin films," 4th International Symposium on Transparent Oxide Thin Films for Electronics and Optics, Tokyo, Japan, April 2005
19. "Ferromagnetism in ZnO:Mn Epitaxial Films: Dependence on Carrier Density," ARO Workshop on Spintronics in Wide Bandgap Semiconductors, Gainesville, FL, February 2005
20. "ZnO Spintronics and Nanowire Devices," 2004 Fall MRS Meeting, Materials Research Society, Boston, Massachusetts, December 2004
21. "Charge and Spin-Based Electronics using ZnO Thin Films," 206<sup>nd</sup> ECS Meeting, The Electrochemical Society, Honolulu, Hawaii, October 2004
22. "Dielectric Response Of K(Ta,Nb)O<sub>3</sub> Thin Films And Asymmetric KNbO<sub>3</sub>/KTaO<sub>3</sub> Superlattices," XIII International Materials Research Congress 2004, Cancun, Mexico, August 2004.
23. "Growth of the Anatase Polymorph of TiO<sub>2</sub> Doped with Co using Epitaxial Stabilization: Do we have a 300 K DMS?," ONR Workshop on Frontiers of Epitaxial Engineering, Moab, Utah, May 2004
24. "Charge and Spin Doping in Epitaxial ZnO Thin Films and Nanostructures," 202<sup>nd</sup> ECS Meeting, The Electrochemical Society, Orlando, Florida, October 2003
25. "Wide Bandgap Semiconductors for Semiconductor Spintronics," 2003 Fall MRS Meeting, Materials Research Society, Boston, Massachusetts, December 2003
26. "Doping ZnO for charge and spin electronics," 10<sup>th</sup> International Workshop on Oxide Electronics, Augsburg, Germany, September, 2003.
27. "Dielectric Response Of K(Ta,Nb)O<sub>3</sub> Thin Films Grown By Pulsed Laser Deposition," XII International Materials Research Congress 2003, Cancun, Mexico, August 2003.
28. "Hydrogen-Assisted Oxide Epitaxy on Semiconductors," ONR Workshop on Epitaxial Heterogeneous Interfaces – Formation & Epitaxy, Tenaya Lodge at Yosemite, Fish Camp, CA, May 4-8, 2003
29. "Pulsed Laser Deposition Of Oxides: Recent Advances And Challenges," 2003 Spring Meeting of the Materials Research Society, San Francisco, CA, April 21-25, 2003
30. "ZnO Thin Films And Nanostructures Of Functional Electronics," Florida Chapter of the American Vacuum Society 2003 Annual Symposium, Orlando, FL, March 17-18, 2003
31. "Charge and Spin Functionality in Wide Bandgap Semiconducting Oxides," SPIE Conference on Quantum Sensing: Evolution and Revolution from Past to Future, San Jose, CA, January 25-31, 2003
32. "Spin and Charge Functionality In Doped ZnO," 2002 Fall Meeting of the Materials Research Society, Boston, MA, December 1-5, 2002

33. "Gate Dielectrics For FET Structures," 2002 Fall Meeting of the Materials Research Society, Boston, MA, December 1-5, 2002
34. "Epitaxy of Complex Oxides On Dissimilar Substrates", Florida Chapter of the American Vacuum Society, AVS-FSM Joint Symposium, Orlando, FL, March 2002.
35. "Materials for quantum computing," 5<sup>th</sup> Annual Southeast Ultrafast Conference, Nashville, TN, January 11-12, 2002.
36. "Reactive Sputter Deposition Of Epitaxial CeO<sub>2</sub> on (001) Ge and InP," MRS Workshop on Dielectric Science & New Functionality in Device Physics for Crystalline Oxides on Semiconductors, Chattanooga, TN, September, 2001.
37. "Current Status Of Coated Conductor Development Based On The RABiTS Process," 5<sup>th</sup> European Conference on Applied Superconductivity, Copenhagen, Denmark, August 2001
38. "Heteroepitaxial Growth Of Complex Oxides On Metals And Semiconductors," 2001 Spring Meeting of the Materials Research Society, San Francisco, CA, April 2001.
39. "Nanostructured Oxide Interfaces And Thin Films," International Conference on Metallurgical Coatings and Thin Films, San Diego, CA, May 2001.
40. "Electronic Oxide Film Growth For Microelectronics And Superconductivity," 2000 International Conference on Electronic Materials and European Materials Research Society Meeting, Strasbourg, France, June 2000.
41. "Dissimilar Epitaxy Of Oxides," D. P. Norton, Workshop on Nanoscale Phenomena in Perovskite Thin Films, Argonne, IL, February 2001.
42. "RABiTS-based HTS Coated Conductors," SCENET European Network for Superconductivity, Topical Workshop on Coated Conductors, Göttingen, Germany, May 2000.
43. "Chemical Deposition Techniques For High Temperature Superconducting Film Growth," SCENET European Network for Superconductivity, Topical Workshop on Coated Conductors, Göttingen, Germany, May 2000.
44. "BaF<sub>2</sub> Method for High Temperature Superconducting Film Growth," SCENET European Network for Superconductivity, Topical Workshop on Coated Conductors, Göttingen, Germany, May 2000.
45. "Reel-To-Reel Processing of HTS tapes," SCENET European Network for Superconductivity, Topical Workshop on Coated Conductors, Göttingen, Germany, May 2000.
46. "Plume-Induced Strain and Texture in Pulsed Laser Deposited Oxides," American Physical Society March 2000 Meeting, DMP Focused Session on Laser Applications in Materials Physics," Minneapolis, MN 2000.
47. "Pulsed-Laser Deposition of Electronic Oxides: Superconductor and Semiconductor Applications," SPIE LASE 2000, Laser Applications in Microelectronic and Optoelectronic Manufacturing V, "San Jose, CA 2000.
48. "Alternative Gate Dielectrics on Semiconductors for MOSFET Device Applications," 6<sup>th</sup> International Workshop on Oxide Electronics, College Park, MD 1999.
49. "Energetic Ion Effects in Pulsed-Laser Deposition," Gordon Research Conference on Laser Interactions with Materials, Andover, NH 1998.
50. "Synthesis of Epitaxial YBCO / Oxide / Metal Heterostructures for Deposited HTS Conductors," Symp. on Advances in Laser Ablation of Materials, 1998 Spring Meeting of the Materials Research Society, San Francisco, CA 1998.
51. "Epitaxial YBCO on Rolled-Textured Metals for HTS Applications," 4<sup>th</sup> International Workshop on Oxide Electronics, College Park, MA 1997.
52. "High Critical Current Y-123 Thick Films on Industrially Scalable Substrates for Conductor Applications," Cryogenic Engineering Conference / International Cryogenic Materials Conference, Portland, OR 1997.
53. "Epitaxial YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> on Biaxially Textured (001) Ni: An Approach to High Critical Current Density Superconducting Tapes," ISTEC/MRS International Workshop on Superconductivity, Big Island, Hawaii 1997.



54. "Low Cost Metal Substrates for Films with Aligned Grain Structure" First Conference on Future Generation Photovoltaic Technologies, Denver, CO 1997.
55. "Role of Energetic Species in Laser Ablation Film Growth," 1997 Annual Meeting of the TMS, Orlando, FL 1997.
56. "Epitaxial Growth of  $\text{YBa}_2\text{Cu}_3\text{O}_7$  on Biaxially-Textured (001) Ni," 1996 Fall Meeting of the Materials Research Society, Boston 1996.
57. "Formation and Properties of Artificially-Layered Cuprate Superconductors," SPIE Intl. Symp. on Lasers and Intergrated Optoelectronics, San Jose, CA 1996.
58. "Synthesis of Artificially-Layered Cuprate Superconductors By Pulsed Laser Deposition," Gordon Research Conference on Superconductivity, Les Diablerets, Switzerland 1995.
59. "Formation of Artificially-Layered High Temperature Superconductors Using Pulsed Laser Deposition," Eighth International Conference on Superlattices, Microstructures, and Microdevices, Cincinnati, OH 1995.
60. "Formation of Artificially-Layered High-Temperature Superconductors Using Pulsed-Laser Deposition," Third International Conference on Laser Ablation, Strasbourg, France 1995.
61. "Formation of Artificially-Layered Thin-Film Compounds Using Pulsed-Laser Deposition," Spring Meeting of the Materials Research Society, San Francisco, CA 1995.
62. "Recent Developments in Metal-Oxide Film Growth Using Pulsed-Laser Deposition," TMS Conference on Ion Beam and Laser Processing of Materials, Las Vegas, NV 1995.
63. "Formation and Properties of Artificially-Layered  $\text{SrCuO}_2/\text{BaCuO}_2$  Superconducting Superlattices," Workshop on High-Temperature Superconductivity: Physical Properties and Mechanisms, Miami, FL 1995.
64. "Artificially-Layered and Metastable Thin-Film Materials Development Utilizing Pulsed-Laser Deposition," International Conference on Novel Techniques in Synthesis and Processing of Advanced Materials, Rosemont, IL 1994.
65. "Artificially-Layered and Metastable Thin-Film Materials Development Utilizing Pulsed-Laser Deposition," International Conference on Processing and Advanced Applications of Lasers, Palm Coast, FL 1994.
66. "Properties of Doped and Undoped  $(\text{Sr,Ca})\text{CuO}_2$  Thin Films," ETL Workshop on High Temperature Superconductors, Tsukuba-shi, Japan 1993.
67. "Properties of Doped and Undoped  $(\text{Sr,Ca})\text{CuO}_2$  Thin Films," Japanese Applied Physics Society Workshop on Infinite Layer Materials, ISTEK, Tokyo, Japan 1993.
68. "Transport Properties of Ultrathin  $\text{YBa}_2\text{Cu}_3\text{O}_{7-d}$  Layers: Evidence For Two-Dimensional Vortex Fluctuations," Adriatico Research Conference on Vortex Fluctuations in Superconductors, Trieste, Italy 1993.
69. "Laser Ablation Film Growth of High Temperature Superconductors," 1993 WATtec Conference, Knoxville, TN 1993.
70. "Growth and Properties of Ultrathin  $\text{YBa}_2\text{Cu}_3\text{O}_{7-d}$  Layers," Sixth Annual Conference on Superconductivity and Applications, Buffalo, NY 1992.
71. "Properties of Oxide-Based Superconducting Superlattices," Fifth Annual Conference on Superconductivity and Applications, Buffalo, NY 1991.
72. "Epitaxial Growth of Oxide Superconductor Thin Films and Superlattices," Scanning Microscopy / 1991, Bethesda, MD 1991.
73. "High- $T_c$  Superconductivity and Hole-Filling in R-123 Superlattices and Thin Films," March Meeting of The American Physical Society, Cincinnati, OH 1991.
74. "Superconductivity in Epitaxial Layers of High  $T_c$  Materials," Gordon Conference on Superconductivity, Ventura, CA 1991.

***Contributed Presentations (First Author)***

1. "P-Type ZnO Thin Films via Phosphorus Doping," 2008 SPIE Photonics West San Jose, CA, January 2008
2. "P-type doping and electroluminescence in ZnO thin films," 2007 March Meeting of the American Physical Society, Denver, CO, March 2007
3. "Copper and Ni-Alloy Substrates," AFOSR HTS Coated Conductor Review Meeting, St. Petersburg, FL, January 22-24, 2003.
4. "Ferromagnetism in Mn-implanted Single Crystal Oxides," American Vacuum Society 49<sup>th</sup> International Meeting, Denver, CO, November 3-8, 2002
5. "Doping For Charge, Bandgap, and Spin In ZnO Nanorods And Thin Films," Materials Research Society Workshop On ZnO, Dayton, OH, October 23-25, 2002.
6. "Epitaxial Growth And Properties of CeO<sub>2</sub> on (001) InP," 2001 Fall Meeting of the Materials Research Society, Boston, MA, November 2001.
7. "Luminescent Properties of Li-doped ZnGa<sub>2</sub>O<sub>4</sub> Thin Films," 7<sup>th</sup> International Workshop on Oxide Electronics, Les Diablerets, Switzerland, October 2000.
8. "Nanostructured thin-film oxides," D. P. Norton, Meta- Materials Workshop, Greenbelt, MD, September, 2000.
9. "Ferromagnetic Wide Bandgap Semiconductors For Quantum Computing," Quantum Information Science and Technology Workshop, Greenbelt, MD, October, 2000.
10. "Epitaxy Of Oxides On Dissimilar Substrates Using Pulsed-Laser Deposition," Spring Meeting of the Materials Research Society, San Francisco, CA, April 2000.
11. "Epitaxial Electronic Oxides on Semiconductors Using Pulsed-Laser Deposition," Symp on Substrate Engineering-Paving the Way to Epitaxy, 1999 Fall Meeting of the Materials Research Society, Boston, MA (1999)
12. "Investigation of Oxide Film Growth on Biaxially-Textured Metals Using Reflection High Energy Electron Diffraction," Symp. on Superconducting Materials-Properties, Crystal Chemistry and Processing, Fall Meeting of the Materials Research Society, Boston, MA 1999.
13. "Enhanced Luminescence in Epitaxial Oxide Thin Film Phosphors," 5th International Display Phosphors Conference, San Diego, CA 1999.
14. "Epitaxial Growth and Luminescent Properties of Mn<sup>2+</sup>-Activated ZnGa<sub>2</sub>O<sub>4</sub> Films", 5th International Workshop on Oxide Electronics, College Park, MD 1998.
15. "Plume-Induced Stress and Texture in Pulsed-Laser Deposited CeO<sub>2</sub> Films", Symp. on Film Growth and Processing Using Hyperthermal Beams, 1998 Fall Meeting of the Materials Research Society, Boston, MA 1998.
16. "Epitaxial Growth of Oxide Thin Films on (001) Metal Surfaces Using Pulsed-Laser Deposition," Spring Meeting of the Materials Research Society, San Francisco, CA 1997.
17. "Low-Cost Metal Substrates for Films with Aligned Grain Structures," Future generation photovoltaic technologies, Denver; CO, March 1997.
18. "Effect of Energetic Ions On Cerium Oxide Films Deposited By Pulsed-Laser Deposition," March Meeting of the American Physical Society, Kansas City, MO, March 1997.
19. "Epitaxial Growth of Metal Fluoride Thin Films by Pulsed-Laser Deposition," Fall Meeting of the Materials Research Society, Boston, MA, November 1995.
20. "Superconductivity in SrCuO<sub>2</sub>/BaCuO<sub>2</sub> Superlattices: Formation of Artificially-Layered Superconducting Materials," Fall Meeting of the Materials Research Society, Boston, MA 1994.
21. "Artificially-Layered SrCuO<sub>2</sub>-Based Materials Grown by Pulsed-Laser Deposition, World Congress on Superconductivity, Orlando, FL 1994.
22. "Transport and Structural Properties of Trivalent Cation and Defect-Doped SrCuO<sub>2</sub> Thin Films Grown by Pulsed-Laser Deposition," Fall Meeting of the Materials Research Society, Boston, MA 1993.

23. "Structural and Transport Properties of  $\text{Ca}_{1-x}\text{Sr}_x\text{CuO}_2$  Thin Films Grown by Pulsed Laser Deposition," March Meeting of The American Physical Society, Seattle, WA 1993.
24. "Pulsed Laser Deposition of Metastable  $\text{Ca}_{1-x}\text{Sr}_x\text{CuO}_2$  Thin Films," Second International Conference on Laser Ablation, Knoxville, TN 1993.
25. "Epitaxial Growth and Properties of  $\text{Ca}_{1-x}\text{Sr}_x\text{CuO}_2$  Thin Films Grown by Pulsed-Laser Deposition," Fall Meeting of the Materials Research Society, Boston, MA 1992.
26. "Superconductivity and Reduced Dimensionality in Ultrathin  $\text{YBa}_2\text{Cu}_3\text{O}_{7-d}$  Films and  $\text{YBa}_2\text{Cu}_3\text{O}_{7-d}$  Based Superlattice Structures," Applied Superconductivity Conference, Chicago, Illinois 1992.
27. "Epitaxial growth and properties of  $\text{Ba}_{1-x}\text{K}_x\text{BiO}_3$  thin films grown by pulsed laser deposition," Fall Meeting of the Materials Research Society, Boston, MA 1991.
28. "Hole Filling and Effects of Reduced Dimensionality in Pulsed-Laser Ablated High- $T_c$  Superlattice Structures," Workshop on Laser Ablation, Oak Ridge, TN 1991.
29. "Pulsed Laser Deposition of YBCO-Based Superconducting Superlattices," 11th Annual Symposium of the Tennessee Valley Chapter of the American Vacuum Society, Oak Ridge, TN 1991.
30. "Superconductivity, Hole-Doping, and Hole-Filling in  $\text{YBa}_2\text{Cu}_3\text{O}_{7-d}/(\text{Y}_{1-x-y}\text{Ca}_y)\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-d}$  Superlattices," Fall Meeting of the Materials Research Society, Boston, MA 1990.
31. "Superconductivity in Single Unit Cell  $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$  Layers in  $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$  Superlattices," Conference on the Science and Technology of Thin Film Superconductors, Denver, CO 1990.
32. " $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$  Thin Film Growth on Single Crystal and Polycrystalline Yttria-Stabilized Zirconia," Conference on the Science and Technology of Thin-Film Superconductors, Denver, CO 1990.
33. "Mass Spectroscopic Study of Photolytically-Driven Deposition of Gallium Arsenide," IEEE Southeastcon 89, Columbia, SC 1989.
34. "Excimer Laser and Hg-Xe Arc Lamp Driven Low Temperature Deposition of Gallium Arsenide," Conference on Lasers and Electro-Optics, Baltimore, MD 1989.
35. "Photochemical vapor deposition of gallium arsenide," SPIE-Advanced Processing of Semiconductor Devices II, Newport Beach; CA, March 1988.
36. "Photochemical Vapor Deposition of GaAs for Photovoltaics," Third International Photovoltaic Science and Engineering Conference, Tokyo, Japan 1987.
37. "On Shuffling of 2-D Data," Twentieth Conference on Information Sciences and Systems, Princeton, NJ 1986.
38. "An Efficient Implementation of the Aryabhata Algorithm," Twentieth Conference on Information Sciences and Systems, Princeton, NJ 1986.

***Presentations by Students / Post-Doctoral Associates in Norton Group (student/post-doc listed)***

1. Cianfrone J, "Structural, magnetic, and electronic properties of  $\text{ZnCo}_2\text{O}_4$  thin films grown via pulsed laser deposition, 2008 TMS Electronic Materials Conference, Santa Barbara, CA, June 2008
2. Callendar C, "Ferroelectric and magnetic properties of epitaxial  $\text{BiFeO}_3 / \text{BaFeO}_{3-x}$  heterostructures," 2008 Spring Meeting of the Materials Research Society, San Francisco, CA, March 2008
3. Tien LC "Pulsed laser deposition of metal oxide nanowires," 2008 Spring Meeting of the Materials Research Society, San Francisco, CA, March 2008
4. Kim DH, "The effect of structural and chemical perturbations in multiferroic  $\text{BiFeO}_3$  epitaxial films," 2008 March Meeting of the American Physical Society, New Orleans, LA, March 2008
5. Sadik P, "Characterization of  $\text{CuCrO}_2/\text{CuSc}_{1-x}\text{Mg}_x\text{O}_2$  heterostructures grown by pulsed laser deposition," Florida Chapter American Vacuum Society Meeting, Orlando, FL, March 2008
6. Cianfrone J, "Structural, magnetic, and electronic properties of  $\text{ZnCo}_2\text{O}_4$  thin films grown via pulsed laser deposition," Florida Chapter American Vacuum Society Meeting, Orlando, FL, March

2008

7. Kim HS “Electrical and Optical Properties of ZnMgO:P Films grown by Pulsed Laser Deposition,” 2007 Fall Meeting of the Materials Research Society, Boston, MA, November 2007
8. Tien LC, “Catalyst-free growth of vertically well-aligned ZnO nanowires,” 54<sup>th</sup> Annual Meeting of the American Vacuum Society, San Francisco, CA, October 2007
9. Callendar CJ, “Properties of BaFeO<sub>3</sub>-Based Thin Films and Superlattices,” 2007 Spring Meeting of the Materials Research Society, San Francisco, CA, April 2007
10. Sadik P, “Examination Of CuCr<sub>1-x</sub>Mg<sub>x</sub>O<sub>2</sub> Thin Film Delafossites Grown By Pulsed Laser Deposition,” Florida Chapter American Vacuum Society Meeting, Orlando, FL, March 2007
11. Ivill M, “Magnetic And Magneto-Transport Properties In ZnO Films Heavily Doped With Cobalt,” Florida Chapter American Vacuum Society Meeting, Orlando, FL, March 2007
12. Tien LC, “Self-Catalytic Growth Of Well-Aligned ZnO Nanorods By High Pressure Assisted Pulsed Laser Deposition,” Florida Chapter American Vacuum Society Meeting, Orlando, FL, March 2007
13. Kim HS, “Carrier Type Conversion In Post Annealed ZnO:P Thin Films,” Florida Chapter American Vacuum Society Meeting, Orlando, FL, March 2007
14. Callendar C, “Ferromagnetic Properties Of Epitaxial BaFeO<sub>3</sub> Films,” Florida Chapter American Vacuum Society Meeting, Orlando, FL, March 2007
15. Kim HS, “Investigation of carrier type conversion of post annealed ZnO:P thin films as a function of the substrate temperature,” TMS 2007 Annual Meeting & Exhibition Orlando, FL, February 2007
16. Leu LC, “Properties of Ge/HfN<sub>x</sub> as a Diffusion Barrier for Cu Metallization,” TMS 2007 Annual Meeting & Exhibition Orlando, FL, February 2007
17. Sadik P, “Examination of Thiol Adsorption on Zn-Terminated and O-Terminated ZnO Substrates,” TMS 2007 Annual Meeting & Exhibition Orlando, FL, February 2007
18. Tien LC, “Highly Selective Hydrogen Sensing with Pt-functionalized ZnO Thin Films and Nanorods,” 2006 Fall Meeting of the Materials Research Society, Boston, MA, November 2006
19. Ivill M, “Magnetic Properties and Observation of Anomalous Hall Effect in Cobalt-Doped ZnO,” TMS Electronic Materials Conference, State College, PA, June 2006
20. Leu LC, “Investigation of W-Ge-N Deposited on Ge as a Diffusion Barrier for Cu Metallization”, 2006 Spring MRS Meeting, San Francisco, CA, April 2006.
21. Sadik P, “Examination Of Thiol Adsorption On Zn-Terminated And O-Terminated Substrates” Florida Chapter American Vacuum Society Meeting, Orlando, FL, March 2006
22. Callendar C, “Properties of (Ba<sub>x</sub>Sr<sub>1-x</sub>)FeO<sub>3</sub> Thin Films and Multilayers” Florida Chapter American Vacuum Society Meeting, Orlando, FL, March 2006
23. Tien LC, “Highly Selective Hydrogen Sensing at Room Temperature with Platinum-Functionalized ZnO Thin Films and Nanorods” Florida Chapter American Vacuum Society Meeting, Orlando, FL, March 2006
24. Ivill M, “Magnetic Properties and Observation of Anomalous Hall Effect in Cobalt-Doped ZnO”, Florida Chapter American Vacuum Society Meeting, Orlando, FL, March 2006
25. Rawal S, “Properties of W-Ge-N Deposited on Ge as a Diffusion Barrier for Cu”, Florida Chapter American Vacuum Society Meeting, Orlando, FL, March 2006
26. Tien LC, “Enhanced Hydrogen Sensing at Room Temperature by Pd-Functionalized ZnO Nanorods” 2005 Fall MRS Meeting, Boston, Massachusetts, December 2005
27. Callendar C, “Properties of (Ba<sub>x</sub>Sr<sub>1-x</sub>)FeO<sub>3</sub> thin films and multilayers” Southeast Section of the American Physical Society Meeting, Gainesville, FL, November 2005
28. Tien LC, “Hydrogen-Selective Sensing at Room Temperature with Pt-Coated ZnO nanorods” Southeast Section of the American Physical Society Meeting, Gainesville, FL, November 2005
29. Rawal S, “Properties of W-Ge-N as a diffusion barrier material for Cu” Southeast Section of the American Physical Society Meeting, Gainesville, FL, November 2005
30. Kim HS, “Synthesis and characterization of P-doped ZnO and (Zn,Mg)O thin films for optoelec-

- tronic applications” Southeast Section of the American Physical Society Meeting, Gainesville, FL, November 2005
31. Erie JM, “Electrical, optical and structural properties of Arsenic-doped (Zn,Mg)O films” 52nd American Vacuum Society Meeting, Boston, MA, November 2005
  32. Kim HS, “Fabrication of ZnO-based P-N junction diodes”, 2005 Annual Joint Symposium of Florida Chapter of the AVS and Florida Society for Microscopy, Florida AVS, Orlando, FL, March 2005
  33. Li YJ, “Realization of phosphorus-doped p-type (Zn,Mg)O thin films via pulsed laser deposition”, 2005 Electronic Materials Conference (EMC), TMS, Santa Barbara, CA, June 2005
  34. Kim KH, “(La,Sr)TiO<sub>3</sub> as a Conductive Buffer for High Temperature Superconducting Coated Conductors”, Applied Superconductivity Conference 2004, Jacksonville, FL, October 2004
  35. Heo YW, “Nanodevices using Single ZnO Nanowire”, 2004 Fall MRS Meeting, Materials Research Society, Boston, Massachusetts, December 2004
  36. Ivill M, “The Dependence Of Ferromagnetism On Sn Concentration in ZnMnO:Sn Epitaxial Films”, 2004 Fall MRS Meeting, Materials Research Society, Boston, Massachusetts, December 2004
  37. Sigman J, “Dielectric Response of Asymmetric KNbO<sub>3</sub>/KTaO<sub>3</sub> Superlattices”, 2003 Annual Meeting of the American Vacuum Society, AVS, Baltimore, MD, November 2003
  38. Heo YW, “Properties of p-Doped ZnMgO Thin Films”, 2003 Fall MRS Meeting, Materials Research Society, Boston, Massachusetts, December 2003
  39. Kwon YW, “Transparent Transistors Based On Semiconducting Oxides”, 2003 Fall MRS Meeting, Materials Research Society, Boston, Massachusetts, December 2003
  40. Sigman J, “Dielectric Response of K(Ta,Nb)O<sub>3</sub> Thin Films”, 202nd ECS Meeting, The Electrochemical Society, Orlando, Florida, October 2003
  41. Heo YW, “Growth and Microstructure of Cored (Zn<sub>1-x</sub>Mg<sub>x</sub>)O Nanorods,” 202nd ECS Meeting, The Electrochemical Society, Orlando, Florida, October 2003
  42. Ivill M, “Ferromagnetism In Mn- And Sn-Codoped ZnO Films Grown By Pulsed Laser Deposition,” 202nd ECS Meeting, The Electrochemical Society, Orlando, Florida, October 2003
  43. Jeong BS, “Transition metal doped TiO<sub>2</sub> thin films grown by reactive sputtering deposition,” 202nd ECS Meeting, The Electrochemical Society, Orlando, Florida, October 2003
  44. Jones M, “Leakage Current Behavior for HfO<sub>2</sub> Thin Films,” 202nd ECS Meeting, The Electrochemical Society, Orlando, Florida, October 2003
  45. Kwon YW, “Electric Field Modulation of ZnO Film Conductance in ZnO-Based FET Structures,” 202nd ECS Meeting, The Electrochemical Society, Orlando, Florida, October 2003
  46. Li Y, “Transparent ZnO-Based FET Structures for Displays,” 202nd ECS Meeting, The Electrochemical Society, Orlando, Florida, October 2003
  47. Heo YW, “Zn<sub>1-x</sub>Mg<sub>x</sub>O Nanorods Via Molecular Beam Epitaxy,” 2002 Fall Meeting of the Materials Research Society, Boston, MA, December 1-5, 2002
  48. Ivill M, “Ferromagnetism In TM-Doped Semiconducting Oxides,” 2002 Fall Meeting of the Materials Research Society, Boston, MA, December 1-5, 2002
  49. Bae HJ, “Treatment Of (100) KTaO<sub>3</sub> For Atomically-Flat Surfaces,” 2002 Fall Meeting of the Materials Research Society, Boston, MA, December 1-5, 2002
  50. Heo YW, “Optical Properties of Zn<sub>1-x</sub>Mg<sub>x</sub>O Nanorods Via Molecular Beam Epitaxy,” 9<sup>th</sup> International Workshop on Oxide Electronics, St. Pete Beach, FL, October 20-23, 2002
  51. Ivill M, “Ferromagnetism in Mn-Doped Cu<sub>2</sub>O Semiconducting Thin Films Grown By Pulsed-Laser Deposition,” 9<sup>th</sup> International Workshop on Oxide Electronics, St. Pete Beach, FL, October 20-23, 2002
  52. Jeong BS, “Conductivity in Transparent Anatase TiO<sub>2</sub> Films Epitaxially Grown By Reactive Sputtering Deposition,” 9<sup>th</sup> International Workshop on Oxide Electronics, St. Pete Beach, FL, October 20-23, 2002
  53. Kwon YW, “Electrical Properties Of CaHfO<sub>3</sub> And HfO<sub>2</sub> For Gate Dielectrics,” 9<sup>th</sup> International

- Workshop on Oxide Electronics, St. Pete Beach, FL, October 20-23, 2002
55. Kim KH, "(La,Sr)TiO<sub>3</sub> Conductive Buffer Layers on Biaxially Textured Ni for Coated Conductors," 9<sup>th</sup> International Workshop on Oxide Electronics, St. Pete Beach, FL, October 20-23, 2002
  56. Heo YW, "Deterministic synthesis of ZnO nanorods," 2002 Spring Meeting of the Materials Research Society, San Francisco, CA, April 2002.
  57. Sigman J, "Evidence for antiferroelectric behavior in KNbO<sub>3</sub>/KTaO<sub>3</sub> superlattices," 2002 Spring Meeting of the Materials Research Society, San Francisco, CA, April 2002.
  58. Heo YW, "ZnO nanorods growth with molecular beam epitaxy," Florida Chapter of the American Vacuum Society, AVS-FSM Joint Symposium, Orlando, FL, March 2002
  59. Kwon YW, "Deposition of CaHfO<sub>3</sub> thin films using pulsed-laser deposition," Florida Chapter of the American Vacuum Society, AVS-FSM Joint Symposium, Orlando, FL, March 2002.
  60. Heo YW, "Epitaxial growth of zinc oxide thin films on  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> by molecular beam epitaxy," Florida Chapter of the American Vacuum Society, AVS-FSM Joint Symposium, Orlando, FL, March 2002
  61. Sigman J, "Evidence for antiferroelectric behavior in KNbO<sub>3</sub> / KTaO<sub>3</sub> superlattices," Florida Chapter of the American Vacuum Society, AVS-FSM Joint Symposium, Orlando, FL, March 2002
  62. Kim KH, "LaTiO<sub>3</sub> conductive buffer layers on biaxially textured Ni for coated conductors" Florida Chapter of the American Vacuum Society, AVS-FSM Joint Symposium, Orlando, FL, March 2002.
  63. Jeong BS, "Epitaxial growth of anatase TiO<sub>2</sub> films by reactive sputter deposition," Florida Chapter of the American Vacuum Society, AVS-FSM Joint Symposium, Orlando, FL, March 2002.
  64. Kim KH, "LaTiO<sub>3</sub> conductive buffer layers on biaxially textured Cu for coated conductors," 2001 Fall Meeting of the Materials Research Society, Boston, MA, November 2001.
  65. Patel M, "Reactive sputter deposition of epitaxial CeO<sub>2</sub> on (001) Ge," 2001 Fall Meeting of the Materials Research Society, Boston, MA, November 2001.
  66. Sigman J, "Temperature-dependent dielectric response and tunability of KTaO<sub>3</sub>/KNbO<sub>3</sub> superlattices," 2001 Fall Meeting of the Materials Research Society, Boston, MA, November 2001.
  67. Lee YE, "Epitaxial oxide thin film phosphors for low voltage FED applications," Spring Meeting of the Materials Research Society, San Francisco, CA, April 2000.
  68. Lee YE, "ZnGa<sub>2</sub>O<sub>4</sub> Thin-Film Phosphors Grown by Pulsed Laser Ablation," Spring Meeting of the Materials Research Society, San Francisco, CA, April 1999.
  69. Lee YE, "Growth and characterization of ZnGa<sub>2</sub>O<sub>4</sub>:Mn thin film phosphors using pulsed laser deposition," 1998 Fall Meeting of the Materials Research Society, Boston, MA 1998.
  70. Cantoni C, "Phase stability for the in-situ growth of Nd<sub>1-x</sub>Ba<sub>2-x</sub>Cu<sub>3</sub>O<sub>7</sub> films using pulsed-laser deposition," 1998 Fall Meeting of the Materials Research Society, Boston, MA 1998.
  71. Park C, "Pulsed laser deposition of YBCO film and oxide buffer layers on 1cmx10cm rolling assisted biaxially textured substrates," 1998 Fall Meeting of the Materials Research Society, Boston, MA 1998.
  72. Park C, "Long Length Fabrication of YBCO on Rolling Assisted Biaxially Textured Substrates (RABiTS) Using Pulsed Laser Deposition," IEEE Applied Superconductivity Conference, Palm Desert; CA, September 1998
  73. Park C, "The Effect Of Bend Strain On The Critical Current Of YBCO Films Deposited On Biaxially Oriented Metallic Substrates" Fall Meeting of the Materials Research Society, Boston, MA 1997.

***Other Contributed Presentations as Co-Author***

1. "Indium Zinc Oxide Thin Films Deposited by Sputtering at Room Temperature," 213<sup>th</sup> Meeting of the Electrochemical Society, Phoenix, AR, May 2008
2. "High Room Temperature Deposited Enhancement Mode and Depletion Mode Indium Zinc Oxide Thin Film Transistors," 213<sup>th</sup> Meeting of the Electrochemical Society, Phoenix, AR, May 2008
3. "Demonstration of Hydrogen Effects on ZnO LEDs in Current-Voltage and Electroluminescence

- Characteristics,” 213<sup>th</sup> Meeting of the Electrochemical Society, Phoenix, AR, May 2008
4. “Dielectric response in potassium tantalite/potassium niobate multilayers,” 2008 March Meeting of the American Physical Society, New Orleans, LA, March 2008
  5. “GaN and ZnO-Based Nanowire Sensors for Bio and Chemical Detection,” TMS 2008 Annual Meeting & Exhibition, New Orleans, LA, March 2008
  6. “Functional Wide Bandgap Semiconductor Nanowire Devices,” TMS 2008 Annual Meeting & Exhibition, New Orleans, LA, March 2008
  7. “ZnO for Spintronics: Some Critical Issues,” 2007 Fall Meeting of the Materials Research Society, Boston, MA, November 2007
  8. “Origin of the Near-Band-Edge Emission in ZnCdO Alloys,” 2007 Fall Meeting of the Materials Research Society, Boston, MA, November 2007
  9. “Indium Zinc Oxide Transparent Thin Film Transistors with MgO Gate Oxide,” 2007 Fall Meeting of the Materials Research Society, Boston, MA, November 2007
  10. “Room Temperature Deposited Indium Zinc Oxide Thin-Film Transistors,” 2007 Fall Meeting of the Materials Research Society, Boston, MA, November 2007
  11. “Indium Zinc Oxide Thin Films Deposited by Sputtering at Room Temperature,” 2007 Fall Meeting of the Materials Research Society, Boston, MA, November 2007
  12. “CdZnO/MgZnO multilayer structures for photonic applications: growth and devices,” 2007 TMS Electronic Materials Conference, South Bend, Indiana, June 2007
  13. “Wide Bandgap Semiconductor Nanowires for Sensing Applications,” 211<sup>th</sup> Meeting of the Electrochemical Society, Chicago, IL, May 2007
  14. “Wet Chemical Etching of Wide Bandgap Semiconductors- GaN, ZnO and SiC, 211<sup>th</sup> Meeting of the Electrochemical Society, Chicago, IL, May 2007
  15. “High Density Inductively Coupled Plasma Etching of Zinc-Oxide and Indium-Zinc Oxide,” 211<sup>th</sup> Meeting of the Electrochemical Society, Chicago, IL, May 2007
  16. “Thermally Stable Novel Metal Contacts on Bulk, Single-Crystal n-type ZnO,” 211<sup>th</sup> Meeting of the Electrochemical Society, Chicago, IL, May 2007
  17. “Ir/Au ohmic contacts on bulk, single crystal n-type ZnO,” 2007 Spring Meeting of the Materials Research Society, San Francisco, CA, April 2007
  18. “Ferroelectric phase transition study of coupling KTN perovskites oxides by scanning microwave microscope,” 2007 March Meeting of the American Physical Society, Denver, CO, March 2007
  19. “Effect of Cryogenic Temperature Deposition of Various Metal Contacts to Bulk, Single-Crystal n-type ZnO,” 2006 Fall Meeting of the Materials Research Society, Boston, MA, November 2006
  20. “High-density Plasma Etching of Zinc-Oxide and Indium-Zinc-Oxide in Cl<sub>2</sub>/Ar and CH<sub>4</sub>/H<sub>2</sub>/Ar Chemistries,” 2006 Fall Meeting of the Materials Research Society, Boston, MA, November 2006
  21. “Electroluminescence from ZnO Nanowire/Polymer Composite p-n Junction,” 53<sup>rd</sup> Annual Meeting of the American Vacuum Society, San Francisco, CA, November 2006
  22. “X-ray Excited Optical Luminescence Studies of ZnO Nanowires and ZnO/MgxZn(1-x)O Core-Shell Nanowires,” 53<sup>rd</sup> Annual Meeting of the American Vacuum Society, San Francisco, CA, November 2006
  23. “Changes in Electrical Characteristics of p-Type Zinc Oxide Thin Films Due to Light and Gas Ambient,” TMS Electronic Materials Conference, State College, PA, June 2006
  24. “Determination Of MgO/GaN And Zn<sub>0.95</sub>Cd<sub>0.05</sub>O/ZnO Heterojunction Band Offsets By X-Ray Photoelectron Spectroscopy” Florida Chapter American Vacuum Society Meeting, Orlando, FL, March 2006
  25. “Simulation of ZnO-based UV and Visible Light-Emitting Diode Structures” Southeast Section of the American Physical Society Meeting, Gainesville, FL, November 2005
  26. “Improved Pt /Au and W/Pt/Au Schottky Contacts on n-type ZnO Using Ozone Cleaning”, 2005 Annual Joint Symposium of Florida Chapter of the AVS and Florida Society for Microscopy, Florida AVS, Orlando, FL, March 2005
  27. “Thermal Stability of Tungsten-Based Schottky Contacts to N-Type ZnO”, 207<sup>nd</sup> ECS Meeting,

- The Electrochemical Society, Quebec City, Canada, May 2005
28. "Fabrication of ZnMgO:P/ZnO p-n Junctions on ZnO Substrates", 2005 Electronic Materials Conference (EMC), TMS, Santa Barbara, CA, June 2005
  29. "Effect of Ozone Cleaning on Pt /Au and W/Pt/Au Schottky Contacts to n-type ZnO", 27th Int. Conf. Physics of Semiconductors, Flagstaff, AZ, July 2004
  30. "Carrier Concentration Dependence of Ti/Al/P+/Au Ohmic Contacts to p-doped ZnO Thin Films", 2004 MRS Spring Meeting, Materials Research Society, San Francisco, California, April 2004
  31. "Sensitivity of Pt/ZnO Schottky Diode Characteristics to Hydrogen", 203rd Meeting of ECS, The Electrochemical Society, San Antonio, Texas, May 2004
  32. "Ferromagnetism in Mn- and Co-implanted ZnO Nanorods", IEEE Nano-2003, IEEE, San Francisco, August 2003
  33. "Ion Implantation for Creating Room Temperature Ferromagnetism in Wide Bandgap Semiconductors", ISCS-2003, IEEE, La Jolla, California, August 2003
  34. "Annealing Temperature Dependence of Contact Resistance and Stability for Ti/Al/Pt/Au Ohmic Contacts from Bulk n-ZnO", ISCS-2003, IEEE, La Jolla, California, August 2003
  35. "Thermal Stability and Magnetic Properties of Mn- and Co-Implanted ZnO Nanorods", 11th Intl. Cong. On II-VI Compounds, IEEE, Niagara Fall, NY, September 2003
  36. "Modification of MBE Grown ZnO Nanorods with Mn and Co Effects on Microstructure and Properties", 2003 Fall MRS Meeting, Materials Research Society, Boston, Massachusetts, December 2003
  37. "Near Infrared Display Materials," SPIE-The International Society for Optical Engineering Conference on Cockpit Displays, Orlando, FL, April 21-25, 2003
  38. "Effects Of Hydrogen And Dry Etching On ZnO," 2002 Fall Meeting of the Materials Research Society, Boston, MA, December 1-5, 2002
  39. "Pulsed Laser Deposited Zn<sub>2</sub>GeO<sub>4</sub> Thin Films for Field Emission Displays," American Vacuum Society 49<sup>th</sup> International Meeting, Denver, CO, November 3-8, 2002
  40. "Hydrogen Incorporation, Diffusivity and Evolution in Bulk ZnO," 9<sup>th</sup> International Workshop on Oxide Electronics, St. Pete Beach, FL, October 20-23, 2002
  41. "ICP Dry Etching of ZnO and Effects of Hydrogen," 9<sup>th</sup> International Workshop on Oxide Electronics, St. Pete Beach, FL, October 20-23, 2002
  42. "Magnetic Properties of Co- and Mn-Implanted BaTiO<sub>3</sub>, SrTiO<sub>3</sub> and KTaO<sub>3</sub>," 9<sup>th</sup> International Workshop on Oxide Electronics, St. Pete Beach, FL, October 20-23, 2002
  43. "Ferromagnetism in Co- and Mn-Doped ZnO, 9<sup>th</sup> International Workshop on Oxide Electronics, St. Pete Beach, FL, October 20-23, 2002
  44. "A Method for Improving Nucleation of Thick YBCO Films in the Ex-situ Process," Applied Superconductivity Conference, Houston, TX, August 2002.
  45. "Orientation and strain mapping in RABiTS using X-ray microbeam diffraction," 2001 Fall Meeting of the Materials Research Society, Boston, MA, November 2001.
  46. "Effect of sulfur surface structure on nucleation of oxide seed layers on textured metals for coated conductor application," 2001 Fall Meeting of the Materials Research Society, Boston, MA, November 2001.
  47. "Submicron-Resolution Measurement of Texture and Strain in Oxide Films Using X-ray Microdiffraction.," The American Ceramic Society 103rd Annual Meeting, Indianapolis, IN American Ceramic Society, April 2001.
  48. "X-Ray Microbeam Mapping of Local Lattice Orientations and Strains in Oxide Films," March 2001 Meeting of the American Physical Society, Seattle, WA USA March 2001.
  49. "X-ray microbeam mapping of local lattice orientation and strains in oxide films," 2001 March Meeting of the American Physical Society, Seattle, WA, March, 2001.
  50. "Superconducting MgB<sub>2</sub> films with T<sub>c</sub> > 20 K by Pulsed Laser Deposition," March Meeting of the American Physical Society, Seattle, WA, March 2001.



51. "Effects of Surface Chemistry and Structure on Buffer Layer Epitaxy," ISTEC/MRS HTS Conductors, Processing and Applications, Honolulu, HI USA, June 2001
52. "Conductive buffer layers and overlayers for the thermal stability of coated conductors," Applied Superconductivity Conference, Virginia Beach, VA, September 2000.
53. "Comparison between the effects of substrate surface conditions and ion irradiation defects on flux-pinning properties of YBCO epitaxial films," Fall Meeting of the Materials Research Society, Boston, MA November 2000.
54. "Submicron-Resolution Texture and Strain Determination Using X-Ray Microbeams," Workshop on Texture in Electronic Applications, Gaithersburg, MD October 2000.
55. "Recent progress in the fabrication of High- $J_c$  tapes by epitaxial deposition of YBCO on RABiTS," International Symp. On Superconductivity, Tokyo, Japan, October 2000.
56. "Materials Science Using Submicron-Resolution Polychromatic X-Ray Diffraction," Tenth Users Meeting for the Advanced Photon Source, Argonne, IL May 2000.
57. "Crystalline oxides as gate dielectrics for MOSFETs," Spring Meeting of the Materials Research Society, San Francisco, CA, April 2000.
58. "High- $J_c$  YBCO Conductors Fabricated By Epitaxial Deposition Of YBCO On Rolling Assisted Biaxially Textured Substrates (RABiTS)," Fall Meeting of the Materials Research Society, Boston, MA (1999)
59. "Microstructure In YBCO Coated Conductors," Fall Meeting of the Materials Research Society, Boston, MA 1999.
60. "Epitaxial Growth Of Oxide Films On Textured Ni Substrates Studied By X-Ray Microbeam Diffraction," Fall Meeting of the Materials Research Society, Boston, MA 1999.
61. "Reel-To-Reel Dip-Coating Unit For Fabricating Long RABiTS For HTS Coated Conductors," Fall Meeting of the Materials Research Society, Boston, MA 1999.
62. "Growth Regimes And Nucleation Of Thick High- $J_c$  YBCO Films On Flexible Metallic Substrates," Fall Meeting of the Materials Research Society, Boston, MA 1999.
63. "Effects Of Pulsed-Laser Deposition Regimes On Flux-Pinning Properties Of YBCO Thin Films," Fall Meeting of the Materials Research Society, Boston, MA 1999.
64. "Epitaxial Growth Of Conductive Buffer Layers For The Development Of Coated Conductors," Fall Meeting of the Materials Research Society, Boston, MA 1999.
65. "Comparison Of Microstructure In YBCO Films Deposited On Alternative Oxide Buffer Layers On RABiTS," Fall Meeting of the Materials Research Society, Boston, MA 1999.
66. "Demonstration of High Current Density YBCO Coated Conductors On  $\text{Re}_2\text{O}_3$  Buffered Ni Substrates with Two New Alternative Architectures," Advances in Cryogenic Engineering 1999, Cryogenic Engineering and International Cryogenic Materials Conf., Montreal, Canada, July 1999.
67. "High  $J_c$  YBCO conductors fabricated by epitaxial deposition of YBCO on strengthened, nonmagnetic rolling assisted biaxially textured substrates," Advances in Cryogenic Engineering 1999, Cryogenic Engineering and International Cryogenic Materials Conf., Montreal, Canada, July 1999.
68. "X-Ray Microbeam Investigation Of Epitaxial Oxide Films On Textured Metal Substrates." Spring Meeting of the Materials Research Society, San Francisco, CA, April 1999.
69. "Power loss of AC transport current flow in superconductive films, March Meeting of the American Physical Society, Atlanta, GA, 1999.
70. "Crystallographic Tilting of Oxide Films on Textured Metal Substrates Investigated by X-Ray Microbeams," March Meeting of the American Physical Society, Atlanta, GA, 1999
71. "Barrier to vortex entry raises both critical current and ac loss in superconductive film," 1998 Fall Meeting of the Materials Research Society, Boston, MA 1998.
72. "Important effect of YBCO microstructural homogeneity on electrical connectivity of coated conductors fabricated by the RABiTS approach," 1998 Fall Meeting of the Materials Research Society, Boston, MA 1998.
73. "Investigating the Atomic Scale Superconducting Properties of Grain Boundaries in High-T(Sub c) Superconductors," 14th Int. Conf. on Electron Microscopy, Cancun, Mexico, August, 1998.

74. "Fabrication of High Current  $\text{YBa}_2\text{Cu}_3\text{O}_{7-y}$  Coated Conductors Using Rolling Assisted Biaxially Textured Substrates," 9th CIMTEC-World Forum on New Materials, 6th Symp. on Science and Engineering of HTC Superconductivity, Florence, Italy, June 1998.
75. "Depositions of epitaxial noble metal buffer layers on textured Ni tapes by sputtering for the fabrication of flexible high- $J_c$  HTS wires," 1998 Spring Meeting of the Materials Research Society, San Francisco, CA 1998.
76. "Electrical connectivity and microstructure in YBCO films fabricated on RABiTS," March Meeting of the American Physical Society, Los Angeles, CA, March 1998.
77. "Effect of layer thickness on the ferroelectric transition in epitaxial  $\text{KTaO}_3/\text{KNbO}_3$  multilayers," March Meeting of the American Physical Society, Los Angeles, CA, March 1998.
78. "Superconducting transport properties of single grain boundaries in large magnetic fields: Correlation with atomic structure," March Meeting of the American Physical Society, Los Angeles, CA, March 1998.
79. "Comparison of ac transport current flow in superconductive films," March Meeting of the American Physical Society, Los Angeles, CA, March 1998.
80. "Investigation of the Local Superconducting Properties at Grain Boundaries in High-T(Sub c) Superconductors," Microscopy and Microanalysis '98, Atlanta, GA, July 1998.
81. "Superconducting Properties Of HTS Films On Textured Metallic Tape Substrates: Prospects For A New Generation Of Wires," Fall Meeting of the Materials Research Society, Boston, MA 1997.
82. "High-Resolution TEM/AEM Characterization Of Epitaxial Oxide Multilayers Fabricated By Laser Ablation On Biaxially Textured Ni," Fall Meeting of the Materials Research Society, Boston, MA 1997.
83. "Growth Of Biaxially Textured Buffer Layers On Rolled-Ni Substrates For High Current YBaCuO Conductors," Fall Meeting of the Materials Research Society, Boston, MA 1997.
84. "Towards Long Lengths Of High Critical Current Density YBaCuO Tapes," Fall Meeting of the Materials Research Society, Boston, MA 1997.
85. "Alternating Current Losses In YBaCuO and TlBaCaCuO Films," Fall Meeting of the Materials Research Society, Boston, MA 1997.
86. "Stability Of Epitaxially Grown Superconducting Films On Biaxially Textured Metal Substrates," Fall Meeting of the Materials Research Society, Boston, MA 1997.
87. "Correlation of Transport Properties with Grain Boundary Atomic Structure in High-T(Sub c) Superconducting Films and Tapes," Advances in Superconductivity X, Proc. 10th Int. Symp. on Superconductivity (ISS '97), Gifu, Japan, October 1997.
88. "Superconducting transport properties of High- $J_c$  biaxially aligned  $\text{YBa}_2\text{Cu}_3\text{O}_7$  deposit on metallic tape substrates," ISTE/MRS International Workshop on Superconductivity, Big Island, Hawaii 1997.
89. "High critical current density tapes by epitaxial deposition of superconducting thick films on biaxially textured metal substrates," 1997 Annual Meeting of the TMS, Orlando, FL 1997.
90. "Properties of  $\text{CoSb}_3$  films grown by pulsed laser deposition," Spring Meeting of the Materials Research Society, San Francisco, CA 1997.
91. "Superconducting properties of High- $J_c$  biaxially aligned  $\text{YBa}_2\text{Cu}_3\text{O}_7$  thick films on metallic tape substrates," Spring Meeting of the Materials Research Society, San Francisco, CA 1997.
92. "Superconducting properties of High  $J_c$  biaxially textured  $\text{YBa}_2\text{Cu}_3\text{O}_7$  thin films of metallic tape substrates," March Meeting of the American Physical Society, Kansas City, MO, March 1997.
93. "Fabrication and Properties of High- $J_c$ , Biaxially Aligned  $\text{YBa}_2\text{Cu}_3\text{O}_{7.8}$  Thick Films on Metallic Tape Substrates," International workshop - Critical currents in superconductors for practical applications, Xian; China, March 1997.
94. "Low Cost, Single Crystal-like Substrates for Practical, High Efficiency Solar Cells," Conference on Future Generation Photovoltaic Technologies, Denver, CO, March 1997.

95. "Superconducting Transport Properties of High-J<sub>c</sub> Biaxially Aligned YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-δ</sub> Deposits on Metallic Tape Substrates," International Workshop On Superconductivity, Big Island, Hawaii, June 1997.
96. "Pulsed laser deposition of Sr<sub>2</sub>Cu<sub>1+x</sub>O<sub>y</sub>(CO<sub>3</sub>)<sub>1-x</sub> infinite layer oxycarbonate films," March Meeting of the American Physical Society, March 1997.
97. "Biaxially oriented metallic tape substrates for high-temperature superconductors," International Conference on Low Temperature Physics; 21st -- 1996 Aug : Prague, Czechoslovakia, August 1996.
98. "Fabrication of High Critical Current Density Superconducting Tapes by Epitaxial Deposition of YBCO Thick Films on Biaxially, Textured Metal Substrates," Advances in superconductivity IX, Sapporo; Japan, October 1996.
99. "Development of Biaxially Textured Buffer Layers on Rolled-Ni Substrates for High Current YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-δ</sub> Coated Conductors," Advances in superconductivity IX, Sapporo; Japan, October 1996.
100. "Fabrication of biaxially textured superconductors using the RABiTS process," Spring Meeting of the Materials Research Society, San Francisco, CA 1996.
101. "Superconducting transport properties of high-J<sub>c</sub> YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> thick films deposited on biaxially oriented metallic substrates," Fall Meeting of the Materials Research Society, Boston, MA 1996.
102. "The atomic origins of reduced critical currents at [001] tilt grain boundaries in YBCO thin films," Fall Meeting of the Materials Research Society, Boston, MA 1996.
103. "Toward the atomic level engineering of grain boundaries in ceramic superconductors," Fall Meeting of the Materials Research Society, Boston, MA 1996.
104. "Defect Formation and Carrier Doping in Epitaxial Films of the Infinite Layer Compound," vol.2697, Oxide Superconductor Physics and Nano-Engineering II, Soc. Photo-Opt. Instrum. Eng. Photonics West '96 Symp., San Jose, CA, Jan. ,1996.
105. "Sub-coherence length determination of the effects of interface structure on hole depletion in high-temperature superconductors," March Meeting of the American Physical Society, March 1994.
106. "Pulsed Laser Deposition of Sr<sub>2</sub>Cu<sub>1+x</sub>O<sub>y</sub>(CO<sub>3</sub>)<sub>1-x</sub> Infinite Layer-Oxycarbonate Films," March Meeting of the American Physical Society, St. Louis, MO, March 1996.
107. "Raman characterization of artificially layered superconducting SrCuO<sub>2</sub>-BaCuO<sub>2</sub> thin films," March Meeting of the American Physical Society, St. Louis, MO, March 1996.
108. "KTaO<sub>3</sub>/KNbO<sub>3</sub> thin-film superlattices compared to KTa<sub>1-x</sub>Nb<sub>x</sub>O<sub>3</sub> solid-solution layers," March Meeting of the American Physical Society, St. Louis, MO, March 1996.
109. "Growth-induced columnar defects in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> grown on miscut LaAlO<sub>3</sub>," Fall Meeting of the Materials Research Society, Boston, MA, November 1995.
110. "Fabrication of biaxially aligned polycrystalline HTSC using a new process," Fall Meeting of the Materials Research Society, Boston, MA, November 1995.
111. "Synthesis of HTS-Oxycarbonate epitaxial films," Fall Meeting of the Materials Research Society, Boston, MA, November 1995.
112. "Superlattices of epitaxial ferroelectric KNbO<sub>3</sub> and paraelectric KTaO<sub>3</sub> films," Fall Meeting of the Materials Research Society, Boston, MA, November 1995.
113. "Defect Formation and Carrier Doping in Epitaxial Films of the "Parent" Compound SrCuO<sub>2</sub>: Synthesis of Two Superconducting Descendants," Intl. Workshop on Superconductivity, Maui, HI, June,1995.
114. "Branches on a Family Tree: Superconductivity in Epitaxial Films of "First-in-Line" Descendants of the Parent Compound SrCuO<sub>2</sub>," High Temperature Superconductor Workshop on Applications and New Materials, Univ. of Twente, Enschede, The Netherlands, May, 1995
115. "Sub-Coherence Length Determination of the Effects of Interface Structure on Hole Depletion in High-Temperature Superconductors," March Meeting of the American Physical Society, Pittsburgh, PA, March, 1994.

116. "Flux-Pinning Related Defects in  $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$  Thin Films Grown on Miscut  $\text{LaAlO}_3$  (001) Substrates," 52nd Annu. Meet. Microsc. Soc. Am., New Orleans, July, 1994.
117. "Epitaxial  $\text{YBaCuO}$  films on metal substrates and buffer layers," March Meeting of The American Physical Society, Seattle, WA 1993.
118. "Atomic resolution mapping of hole concentrations around  $\text{YBa}_2\text{Cu}_3\text{O}_7$  grain boundaries," March Meeting of the American Physical Society, Seattle, WA 1993.
119. "Superconductive transport properties of heavy ion irradiated epitaxial  $\text{YBa}_2\text{Cu}_3\text{O}_7$  thin films," March Meeting of the American Physical Society, Seattle, WA 1993.
120. "Experimental Investigations of Superconductivity in Quasi-Two-Dimensional Epitaxial Copper Oxide Superlattices and Trilayers," TMS Symposium on the Synthesis and Processing of Electronic and Photonic Material, Denver, CO, February 1993.
121. "Transport-Current resistivity and inductive impedance of  $\text{YBa}_2\text{Cu}_3\text{O}_7/\text{PrBa}_2\text{Cu}_3\text{O}_7$  superlattice films," Applied Superconductivity Conference, Chicago, Illinois 1992.
122. "Epitaxial  $\text{YBa}_2\text{Cu}_3\text{O}_7$  thin films: Scanning tunneling microscope study of initial stages of growth, growth mechanism, and surface microstructure," Fall Meeting of the Materials Research Society, Boston, MA 1991.
123. "Evidence for doping effects in  $\text{YBa}_2\text{Cu}_3\text{O}_7$  films processed at low oxygen pressures," Fall Meeting of the Materials Research Society, Boston, MA 1991.
124. "Effects of oxygen defects and thermal processing on flux pinning in High- $J_c$   $\text{YBa}_2\text{Cu}_3\text{O}_7$  thin films," Fall Meeting of the Materials Research Society, Boston, MA 1991.
125. "Growth mechanisms of  $\text{YBa}_2\text{Cu}_3\text{O}_7$  films and superlattices studied by Z-contrast STEM," Fall Meeting of the Materials Research Society, Boston, MA 1991.
126. "Evidence for K-T transition in  $\text{YBa}_2\text{Cu}_3\text{O}_7/\text{PrBa}_2\text{Cu}_3\text{O}_7$  superlattice films," Fall Meeting of the Materials Research Society, Boston, MA 1991.
127. "Superconducting Properties and Microstructure of  $\text{YBa}_2\text{Cu}_3\text{O}_{7-\Delta}/\text{PrBa}_2\text{Cu}_3\text{O}_{7-\Delta}$  Superlattices," Advances in Superconductivity IV, 4th Int. Symp. on Superconductivity (ISS' 91), Tokyo, Oct. 1991.
128. "Laser Ablation Synthesis and Properties of Epitaxial  $\text{YBa}_2\text{Cu}_3\text{O}_{7-\Delta}/\text{PrBa}_2\text{Cu}_3\text{O}_{7-\Delta}$  Superconducting Superlattices," Laser Ablation of Electronic Material, Basic Mechanism and Application, Meet. Eur. Mater. Res. Soc., Carcans-Maubuisson, France, Sept. 1991.
129. "Epitaxial copper oxide superconductor superlattices," 19<sup>th</sup> Rare Earth Research Conference, Lexington, Kentucky 1991.
130. "Localized conversion of epitaxial YBCO from c-perp to a-perp by ion implantation and low oxygen pressure annealing," March Meeting of the American Physical Society, Cincinnati, Ohio 1991.
131. "Aspects of thermally activated flux motion in  $\text{YBa}_2\text{Cu}_3\text{O}_7$  epitaxial thin films," March Meeting of the American Physical Society, Cincinnati, Ohio 1991.
132. "Transport critical currents in granular-oriented  $\text{YBa}_2\text{Cu}_3\text{O}_7$  thin films," March Meeting of The American Physical Society, Cincinnati, Ohio 1991.
133. "Effects of oxygen composition on critical currents and flux pinning in epitaxial  $\text{YBa}_2\text{Cu}_3\text{O}_7$  thin films," March Meeting of the American Physical Society, Cincinnati, Ohio 1991.
134. "Kosterlitz-Thouless-Like Behavior Over Extended Ranges of Temperature and Layer Thickness in Crystalline  $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$  Superlattices," Univ. of Miami Workshop on Electronic Structure and Mechanisms for High Temperature Superconductivity, Coral Gables, FL, Jan. 1991.
135. "Growth and Transport Properties of Y-Ba-Cu-O/Pr-Ba-Cu-O Superlattices," Soc. Photo-Opt. Instrum. Eng. Conf. on Progress in High-Temperature Superconducting Transistors and Other Devices, Santa Clara, Oct. 1990.
136. "Orientation-Dependent Critical Currents in  $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$  Epitaxial Thin Films: Evidence for Intrinsic Flux Pinning," Conf. on Superconductivity and Its Applications, Buffalo, NY, Sept. 1990.
137. "In situ growth of high quality epitaxial  $\text{YBa}_2\text{Cu}_3\text{O}_7$  films at moderate substrate temperature and over large areas by pulsed laser ablation," Fall Meeting of the Materials Research Society, Boston, MA 1989.

138. "In situ growth of epitaxial superconducting  $\text{YBa}_2\text{Cu}_3\text{O}_7$  films on insulating, semiconducting and ferroelectric  $\text{KTaO}_3$  by pulsed laser ablation," Fall Meeting of the Materials Research Society, Boston, MA 1989.
139. "Epitaxial and superconducting properties of  $\text{YBa}_2\text{Cu}_3\text{O}_7$  films on five perovskite substrates," Fall Meeting of the Materials Research Society, Boston, MA 1989.
140. "Atomic scale characterization of defects and interfaces by Z-contrast STEM," Fall Meeting of the Materials Research Society, Boston, MA 1989.

### **Research Funding at UF**

Over \$6.4M external funding as lead PI at UF

1. "Development of Materials and Fabrication of Nanoelectronic Devices and Sensors," Office of Naval Research, (08/01/2009 - 07/31/2011), \$2,499,523 (5%), co-P.I.
2. "Acceptor doping and hole transport in ZnO films and heterostructures," National Science Foundation, (06/15/2008 - 05/31/2011), \$414,032 (100%), P.I.
3. "ZnO Nanowire Nanosensors for Biodetection and Identification," Center for NanoBio Sensors/State of Florida, (06/01/07-08/30/08), \$80,000 (100%), P.I.
4. "Center for Sensor Materials and Technologies," Office of Naval Research, (05/14/07-05/13/09), \$2,328,000 (60%), P.I.
5. "Low Dimensional  $\text{K}(\text{Nb},\text{Ta})\text{O}_3$ - $(\text{Ba},\text{Sr})\text{FeO}_3$  Thin Film Nanostructures," Army Research Office, (10/01/05-09/30/08), \$270,856 (100%), P.I.
6. "ZnO PN Junctions for Highly-Efficient, Low-Cost Light Emitting Diodes," Department of Energy, (01/01/05-12/31/07), \$914,537 (35%), P.I.
7. "Robust Self-Powered Wireless Hydrogen Sensor", NASA, (10/01/04-09/30/06), \$70,000 (25%), co-P.I.
8. " $\text{H}_2$  Gas Sensors: GaN MOS-HEMTs and ZnO Schottky Diodes with Integrated On-Chip Heater", NASA, (10/01/04-09/30/06), \$70,000 (25%), co-P.I.
9. "Novel Hydrogen Gas Sensors: ZnO Nanorod Hydrogen Gas Sensors", NASA, (10/01/04-09/30/06), \$70,000 (25%), co-P.I.
10. "Transition Metal Doped ZnO for Spintronics," Air Force Office of Scientific Research, (8/01/03-06/30/06), \$450,000 (65%), P.I.
11. "Alternative Chemistries for Barrier Materials in Cu Metallization," National Science Foundation, (09/01/03-08/31/08), \$2,366,692 (30%), co-P.I.
12. "Nanoscale phenomenon in perovskite thin films," Argonne National Laboratory, months (02/14/04-02/16/04), \$10,000 (100%), P.I.
13. "Nanoscale phenomenon in perovskite thin films," Argonne National Laboratory, (03/14/02-08/13/03), \$10,000 (100%), P.I.
14. "Carrier Doping Epitaxial  $(\text{Zn},\text{Mg})\text{O}$  Thin Films," National Science Foundation, (06/15/03-04/30/06), \$349,990 (100%), P.I.
15. "Polymer Light Emitting Display using a Transparent Thin Film Transistor Array," Army Research Office, (09/01/02-08/31/04), \$416,983 (30%), P.I.
16. "Nucleation and epitaxy of conductive buffers on (001) Cu," Air Force Office of Scientific Research, (09/01/02-07/30/05), \$75,000 (100%), P.I.
17. "Laser molecular beam epitaxy system for nanostructured oxides," Dept. of Defense /DURIP, (04/01/02-03/01/03), \$230,000 (100%), P.I.
18. "Development of High Temperature Physical Property Measurement System for Probing Spin and Charge-Functionalized Thin-Film Materials," National Science Foundation-MRI, (07/01/02-06/30/03), \$161,463 (100%), P.I.
19. "Nanoscale phenomenon in perovskite thin films," Argonne National Laboratory, (03/01/02-06/01/02), \$10,000 (100%), P.I.
20. "Equipment for Nanofabrication Facility," University of Florida Research Foundation, (2/1/02), \$2,492,270 (100%), P.I.

21. "Ion beam assisted deposition of NiO as biaxially-textured buffer for HTS coated conductor," IGC-SuperPower, (11/01/01-10/31/06), \$254,831 (100%), P.I.
22. "Intelligent luminescence for communication, display, and identification," Georgia Institute of Technology/MURI, (06/01/01-05/31/04), \$707,501 (25%), co-P.I.
23. "Low-dimensional K(Nb,Ta)O<sub>3</sub> thin films structures," Army Research Office, (05/01/01-10/31/04), \$434,000 (100%), P.I.
24. "Nanoscale phenomenon in perovskite thin films," Argonne National Laboratory, (03/01/01-06/01/01), \$10,000 (100%), P.I.
25. "High temperature superconducting films and buffers on biaxially textured Cu," Oak Ridge National Laboratory, (10/01/00-09/30/01), \$53,239 (100%), P.I.

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## TEACHING

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Teaching assignment within the Department of Materials Science and Engineering consisted of at least one classroom course in the fall and spring semesters (2001-2009); Courses taught over this period included:

- **EMA 3010: Introduction to Materials Science and Engineering (undergraduate)**  
Atomic structure and bonding, crystal structures, defects, diffusion, mechanical properties of metals, phase diagrams and transformations, ceramics, polymers, composites, corrosion, and electronic properties
- **EMA 3413: Introduction to Electronic Materials (undergraduate)**  
Electrons in solids, electrical properties of metals, semiconductors, and insulators, optical properties, magnetic properties, thermal properties
- **EMA 6110: Electron Theory in Solids (graduate)**  
Topics covered include wave mechanics, quantum mechanics, statistical mechanics, free electron theory, quantum mechanics for crystals, semiconductor properties, optical properties, dielectric/ferroelectrics, and magnetic properties
- **EMA 6111: Electron Theory in Solids II: Optical and Magnetic Properties (graduate)**  
Electromagnetic waves, physics of metals, optical properties of insulators, semiconductor absorption and photoluminescence, lasers, nonlinear opticals, magnetism
- **EMA 6938 Electronic Oxides: Properties and applications (graduate)**  
Survey of properties, chemistry of oxides, thermodynamic stability of oxides, structural aspects of oxides, structural families, models of electronic structure, insulating oxides, semiconducting oxides, metallic and magnetic oxides, superconducting oxides

**GAINESVILLE/ALACHUA COUNTY REGIONAL AIRPORT AUTHORITY  
CERTIFICATION OF APPLICATION FOR MEMBERSHIP**

This is to certify that I, David Norton, am aware of and am in compliance with the membership requirements of sections of the State Legislation 2006-363 which established the Gainesville/Alachua County Regional Airport Authority:

Section 2, Paragraph 9:

- (9) "Person" means any individual, firm, partnership, corporation, company, association, joint stock association, or body politic and includes any trustee, receiver, assignee, or other similar representative thereof.

Section 4, Paragraph 1:

- (1) MEMBERSHIP: The powers of the authority shall be vested in its members in office from time to time. There shall be nine members. No member shall receive any compensation for services as a member. As a condition of eligibility for appointment and to hold office, each member shall reside within the city or the county. However, one member appointed by the Governor may reside in a county contiguous to Alachua County. No person shall serve as a member of the authority and, at the same time, hold any publicly elected office in the State of Florida.

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- (5) All members appointed subsequent to the effective date of this act shall serve 3-year terms of office, beginning on August 1 and expiring on July 31 of the appropriate year.

Section 6, Paragraphs 1 & 2:

**RESTRICTIONS:**

- (1) No person who has transacted business with the authority shall be eligible for appointment to the authority until 3 years after the last transaction. No person who has served on the authority shall be eligible to transact business with the authority until 3 years after the person's last date of service. Said transactions include transactions either for oneself or as an employee of, agent for, or consultant to any other person or legal entity.

However, nothing in this paragraph shall be construed as prohibiting an appointed member from purchasing supplies or services from any fixed-base operators or tenants at the airport or Airport Industrial Park, or for renting individual aircraft hangars or tie-downs offered to the general public and owned by the authority, provided that the price and terms of the transaction are available to all members of the public.

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**I, HEREBY CERTIFY that I am in full compliance with the restrictions set forth in Section 2006-363, Laws of Florida, and I am eligible to be considered for appointment to the Gainesville/Alachua County Regional Airport Authority, and that I retain a copy of these restrictions/requirements.**



\_\_\_\_\_  
Signature

7-17-2019

\_\_\_\_\_  
Date

This supplement to the Gainesville/Alachua County Regional Airport Authority application is required to be included with the application before it can be submitted to the City Commission for consideration. Please fill in your name, print, sign and date this supplemental, attach it to your application and mail or email to:

Clerk of the Commission  
Airport Supplemental  
P.O. Box 490 MS 18  
Gainesville, FL 32627-0490  
[depclerk@cityofgainesville.org](mailto:depclerk@cityofgainesville.org)

Remember to retain a copy for your records.



**Profile**

_____	<b>Kinnon</b>	_____	<b>Thomas</b>	_____
Prefix	First Name	Middle Initial	Last Name	Suffix

**kkinnon@thomas.net**  
 \_\_\_\_\_  
 Email Address

<b>1620 NW 68th Terrace</b>	_____	_____
Street Address	Suite or Apt	
<b>Gainesville</b>	<b>FL</b>	<b>32605</b>
City	State	Postal Code

**Ward**

None Selected

<b>Mobile: (352) 317-7755</b>	<b>Home: (353) 331-0609</b>
Primary Phone	Alternate Phone

**Primary Phone Type**

Cell

**Alternate Phone Type**

Home

<b>Self</b>	_____
Employer	Job Title

**Which Boards would you like to apply for?**

Gainesville/Alachua County Regional Airport Authority: Submitted

PLEASE NOTE: You may only apply for two (2) City Advisory Boards/Committees each application cycle. A person may only be appointed to two (2) City Advisory Boards/Committees.

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Upload a scanned file of the completed form in the Interests & Experiences section of this application.

**Do you claim any exemption to public record disclosure pursuant to FLA. STAT. Section 119?**

Yes  No

**If yes, please submit a detailed explanation of exemption.**

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## **Interests & Experiences**

**Why are you interested in serving on a board or commission?**

The Airport is extremely vital to the economic health of this area and I want to continue my service to the Airport.

**How many terms have you served on this board or committee previously?**

[Resume\\_June\\_2019.doc](#)

Upload a Resume

Please upload a file

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## **Demographics**

**Ethnicity**

Caucasian/Non-Hispanic

**Gender**

Male

**Are you a City of Gainesville Employee?**

Yes  No

**Are you a City of Gainesville Intern?**

Yes  No

**Are you currently on a City Advisory Board/Committee?**

Yes  No

**If yes, which Advisory Board/Committee?**

**K Kinnon Thomas**  
**1620 NW 68<sup>th</sup> Terrace**  
**Gainesville, FL 32605**  
**Phone: 317-7755**  
**kkinnon@thomas.net**

Education: B.A. Journalism 1971, Louisiana State University

October 2011 to Current:

Contractor as Underwriting Representative for the University Of Florida Division of Multi-Media Properties

December 1997 to Present:

Business Interests:

President of The Thomas Sound Group, Inc., parent company of Via Media and Marketing, a media buying and marketing consulting firm.

Civic Involvement:

Current member Alachua Bradford Counties Work Force Board; Past member Gainesville/Alachua County Regional Airport Authority (former Chair); former member Downtown Redevelopment Advisory Board; Past President, Secretary, and Treasurer Advertising Federation of Gainesville; Chairman East Gainesville SPROUT Task Force 10 years; Gainesville Area Chamber of Commerce (2008 Board Chair & 9 year Board member).

October 1987 to November 1997:

Regional Sales Manager for the Jacor Communications, Inc. (now I Heart Radio) Radio stations in Jacksonville, FL. Formats: Country and Urban.

September 1986 to September 1987:

Owner and General Manager of KTYX-FM, Ardmore, OK.

April 1985 to August 1986:

National Programming Consultant for Century 21 Programming, Dallas, TX.

May 1977 to June 1984:

Owner and General Manager of KTQQ-FM, Lake Charles, LA.

Served as President of the West Calcasieu Association of Commerce; President of the Rotary Club of Sulphur, LA, as well as being involved in numerous other civic activities and politics.

**GAINESVILLE/ALACHUA COUNTY REGIONAL AIRPORT AUTHORITY  
CERTIFICATION OF APPLICATION FOR MEMBERSHIP**

This is to certify that I, K KINNON THOMAS, am aware of and am in compliance with the membership requirements of sections of the State Legislation 2006-363 which established the Gainesville/Alachua County Regional Airport Authority:

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Section 6, Paragraphs 1 & 2:

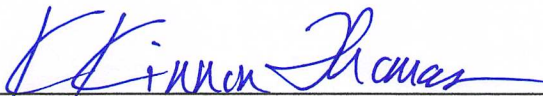
**RESTRICTIONS:**

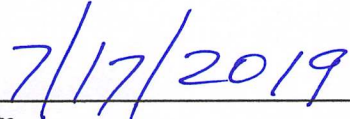
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**I, HEREBY CERTIFY that I am in full compliance with the restrictions set forth in Section 2006-363, Laws of Florida, and I am eligible to be considered for appointment to the Gainesville/Alachua County Regional Airport Authority, and that I retain a copy of these restrictions/requirements.**

  
Signature

  
Date

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Clerk of the Commission  
Airport Supplemental  
P.O. Box 490 MS 18  
Gainesville, FL 32627-0490  
[depclerk@cityofgainesville.org](mailto:depclerk@cityofgainesville.org)

Remember to retain a copy for your records.

### Profile

Prefix	Emily	Middle Initial	Wilson	Suffix
	First Name		Last Name	

wilsonemily56@gmail.com  
Email Address

2322 nw 32nd st	Suite or Apt
<small>Street Address</small>	

Gainesville	FL	32605
<small>City</small>	<small>State</small>	<small>Postal Code</small>

### Ward

District 3

Home: (352) 375-7885	Home:
<small>Primary Phone</small>	<small>Alternate Phone</small>

### Primary Phone Type

Home

### Alternate Phone Type

None Selected

Retired	
<small>Employer</small>	<small>Job Title</small>

### Which Boards would you like to apply for?

Gainesville/Alachua County Regional Airport Authority: Submitted  
Charter Review Commission: Submitted

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**Do you claim any exemption to public record disclosure pursuant to FLA. STAT. Section 119?**

Yes  No

**If yes, please submit a detailed explanation of exemption.**

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## **Interests & Experiences**

**Why are you interested in serving on a board or commission?**

To become more active in my community

**How many terms have you served on this board or committee previously?**

0

[Emily\\_Wilson\\_CV\\_18.pdf](#)

Upload a Resume

Please upload a file

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## **Demographics**

**Ethnicity**

Caucasian/Non-Hispanic

**Gender**

Female

**Are you a City of Gainesville Employee?**

Yes  No

**Are you a City of Gainesville Intern?**

Yes  No

**Are you currently on a City Advisory Board/Committee?**

Yes  No

**If yes, which Advisory Board/Committee?**

**EMILY J. WILSON, M.P.H.**

2322 NW 32<sup>nd</sup> Street  
Gainesville, FL 32605  
(352) 375-7885 home

**EXPERIENCE:**

**July 2016 – February 2019, Senior Community Preparedness Coordinator**

State of Florida, Department of Health  
Supervisor, Samantha Cooksey, Aaron Otis, and Dayle Mooney  
4052 Bald Cypress Way Bin A23  
Tallahassee, FL 32399

This position is responsible for alignment of federal guidance and state contracts to assure county health departments and partners within the healthcare coalitions meet expectations and deliverables. Served as state lead for Project Public Health Ready. During emergency response times, this position serves in ESF 8 at the State of Florida Emergency Operations Center.

**March 2010 – July 2016, State Preparedness Training Coordinator**

State of Florida, Department of Health  
Supervisor, Jack Pittman, Aaron Otis, and Benny St. John  
4052 Bald Cypress Way Bin A23  
Tallahassee, FL 32399

This position is responsible for leading the Florida Public Health and Healthcare System in a disaster workforce training program consistent with the Domestic Security and federal initiatives. Other responsibilities include leading a review committee to assure exercises and curriculum created with federal funding are high quality and consistent with the initial strategies of the funding stream. Works with partners as the Department of Health Co-Chair on the Training and Exercise State Working Group that developed Florida's Type 3 All-Hazard Incident Management System Credentialing Guide. During emergency response times, this position serves in ESF 8.

**December 2009 – June 29, 2012: Planner IV**

State of Florida, Levy County Health Department  
Supervisor, Barbara Locke  
66 W. Main Street  
Bronson, FL 32621

This position was responsible for the Local Health Department's emergency planning. During this time the Levy County Health Department received Project Public Health Ready national recognition.

**June 2008- December 2009: Human Service Program Administrator**

State of Florida, Alachua County Health Department  
Supervisor: Paul Myers, Assistant Health Director  
15530 NW US Hwy 442 Suite 10030  
Alachua, FL 32616

This administrator position was responsible for the operation of two rural satellite clinics that provide primary care, female health, pediatric and nursing services to the communities of Alachua and High Springs. It involved supervising 4 nursing staff, 2 lab staff, and a manager who supervised 5 clerical staff. During this time, the High Springs clinic closed and combined with the Alachua site during the H1N1 crisis. At the same



time, the staff began to implement Electronic Medical Records and began extended hours.

**November 2006 – May 2008: Disease Control Program Administrator**

State of Florida, Department of Health, Alachua County Health Department  
Supervisor: Jean Munden, R.N., Assistant Health Director  
224 SE 24<sup>th</sup> Street,  
Gainesville, FL 32641

This position was the administrator for public health programs; sexually transmitted diseases, hepatitis, and tuberculosis and general epidemiology. It involved supervising up to 15 employees plus some volunteers and interns in Alachua County and 6 indirectly within the region. Additionally, this position was responsible for the identification, training, exercising and deployment of regional public health strike teams in times of emergency.

**2004 – November 2006**

State of Florida, Department of Health, Office of Public Health Nursing and  
Division of Emergency Medical Operations  
Supervisors: Tom Belcuore, Karen Eaton  
Tallahassee, FL

Planning was done for three statewide emergency annexes under a series of contracts funded by the Centers for Disease Control and Prevention for Public Health Preparedness. First, the SARS workgroup materials were compiled into a statewide emergency plan annex and completed in January 2005 for situations requiring quarantine and isolation to control the spread of a communicable disease. Second, the Mass Prophylaxis annex was developed in June 2005, using a statewide regional strategy. Third, the Influenza Pandemic annex was updated to Version 9 in early 2006. During this time, Environmental Health and Epidemiology asset typing was initiated and teams were formed, equipped, trained, and exercised for emergency response using the experiences from hurricane deployments to Charlie, Ivan, Dennis, and Katrina.

**April 2002 – November 2003: Public Health Preparedness Planner**

Dixie County Health Department  
Supervisors: Sable Bolling, Rhonda White  
Region 2 Domestic Security Task Force  
Cross City, FL

In this temporary position, the bioterrorism annexes were created and attached to 6 county health department Emergency Operations Plans across North Central Florida.

**1987 – 2006: Environmental Specialist III**

State of Florida Department of Health  
Supervisors: Tom Belcuore, Sharon Heber, David Johnson, P.S. Patel  
224 SE 24<sup>th</sup> Street  
Gainesville, FL 32641

This position operated in the Division of Environmental Health, Office of Environmental Public Health Medicine. It went through several changes after the Department of Health was created out of HRS in 1997, when it was transferred to an outpost office for the state health office for Environmental Epidemiology. It entailed project management and design. It required strategic planning, independent thinking and research into various issues as they relate human illness and exposure to suspect items in an environment. It had a quality improvement peer review responsibility.

The position, prior to January 1997, served as a general consultant in all public health environmental programs for most of North Central Florida. Some special projects were conducted which required finding funding sources, making proposals, hiring and supervising personnel, and production of final reports.

**1984-1987: Environmental Health Specialist**

State of Florida, Department of Health and Rehabilitative Services (HRS)  
Columbia and Suwannee County Health Departments  
Supervisor: Ken McCall  
Lake City, FL

This position was regulatory in nature. Inspections were conducted on food service establishments, group care facilities, onsite sewage disposal systems, and other establishments regulated by HRS, Environmental Health under the authority of the 10D series of the Florida Administrative Codes. Also, surveillance of animal bites for rabies control, and communicable diseases of environmental origin were investigated. Some water sampling was conducted.

**1983: Laboratory Assistant and Field Technician**

San Luis Valley Analytical Services  
Supervisors: Tom and Mary Mueller  
Alamosa Colorado 81101

While attending college, this position provided some hands-on experience of water and air sampling. Water levels were read and recorded for the outlet of the final sewage lagoon discharge into the river. Samples were taken and tested for pH, BOD and COD. This position was responsible operation of the high-volume air sampler.

**FORMAL EDUCATION:**

1989: University of South Florida, Tampa  
Degree: Master of Public Health  
1983: Adams State College, Alamosa, Colorado  
Degree: Bachelor of Science in Environmental Sciences  
1974: Dixie Hollins High School  
Certificate of Graduation

**Publications (major articles only listed here)**

- Feature article on Fibromyalgia investigation in the National Journal of Environmental Health (May 1999)
- Feature article on Regional Environmental Health Response Teams and Asset Typing Environmental Health Resources in Florida Journal of Environmental Health (September 2005)
- Epi Update: A Publication of Florida Department of Health, Bureau of Epidemiology Measles Response Using the Incident Command System (ICS) (November 2007)

**Presentations:**

The following listing is not exhaustive.

- Special Needs Symposium, Lake Buena Vista FL, April 2017. ***Statewide Analysis of CHD Expectations Data***
- Instructor for ***Strike Team Leader Orientation***, seven deliveries in 2014 around Florida

- Instructor for ***NIMS ICS All Hazards Strike Team/Task Force Team Leader***, three deliveries around Florida 2014-15
- National Environmental Health Association, San Antonio Texas June 2006; ***Environmental Health Responds, Working Within Incident Command Structures***
- Florida Department of Health Directors of Nursing Meeting, March 2006 ***Regional Strike Teams***
- Florida Environmental Health Association Annual Educational Meeting, August 2005, ***Project: Environmental Health Strike Teams***

#### **Certificates:**

Complete listing of certificates received continued education available upon request.

**1995 –2012** Certified as an Environmental Health Professional at all levels in the primary areas of Food Protection and Onsite Sewage Treatment and Disposal

**1985 – 2012** Registration #269 as a Registered Sanitarian

**2005-** Public Health Leadership Certificate – USF

**2007:** Davis Productivity Award for participation on Epidemiology Hurricane Response Toolkit Development Team

**2012:** Prudential-Davis Productivity Award for saving costs in Leading Edge Strike team exercise

**2013:** NIMS ICS All-Hazards Strike Team/Task Force Leader Instructor (EMI)

**2014:** Readiness: Training Identification and Preparedness Planning (MGT 418).

**2014:** EMI Basic Instructor, and CDP Standardized Awareness Instructor

#### **References**

Available upon request.

**GAINESVILLE/ALACHUA COUNTY REGIONAL AIRPORT AUTHORITY  
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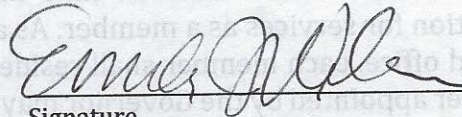
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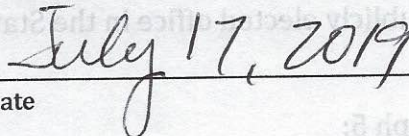
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Signature



Date

This supplement to the Gainesville/Alachua County Regional Airport Authority application is required to be included with the application before it can be submitted to the City Commission for consideration. Please fill in your name, print, sign and date this supplemental, attach it to your application and mail or email to:

Clerk of the Commission  
Airport Supplemental  
P.O. Box 490 MS 18  
Gainesville, FL 32627-0490  
[depclerk@cityofgainesville.org](mailto:depclerk@cityofgainesville.org)

Remember to retain a copy for your records.