

Profile

Which Boards would you like to apply for?

Upper Neuse River Basin Association: Submitted

Please select your first Board preference: *

☒ Raleigh-Durham Airport Authority

Please select your second Board preference: *

☒ Centennial Authority

Please select your third Board preference: *

☒ Wake County Water Partnership

Please select your fourth Board preference: *

☒ Wake County Water Partnership

Please select your fifth Board preference: *

☒ Wake County Water Partnership

Please select your sixth Board preference: *

☒ Wake County Water Partnership

Gary

First Name

D

Middle
Initial

Hartong

Last Name

7012 Moresham Way

Street Address

Suite or Apt

Wake Forest

City

NC

State

27587

Postal Code

What district do you live in?

None Selected

Mobile: (252) 916-6230

Primary Phone

Business: (919) 828-0531

Alternate Phone

ghartong@thewootencompany.com

Email Address

The Wooten Company

Employer

President

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

☒ Yes ☐ No

In order to assure countywide representation, please indicate your place of residence:

☒ Unincorporated Wake County

Interests & Experiences

Why are you interested in serving on a Board or Commission?

With over 10 years of volunteer leadership service at local, state and national levels, I am seeking an advisory position where I can listen to issues/concerns, collaborate and strategize with peer advisory members, and contribute value to the residents and businesses of Wake County and the Triangle region. I've lived in the Raleigh and Greenville areas for 30 years, raised 4 daughters here, advocate for state and national infrastructure funding and development initiatives, and want to work to ensure that Wake County and the Triangle remains a competitive and attractive region to educate, work, and reside.

Work Experience

The Wooten Company, Raleigh, NC, 1998-Present (Refer to attached resume)

Volunteer Experience

Town of Wake Forest, NC - Parks, Recreation & Cultural Resources Advisory Board (2019-2022), Chair & Vice Chair American Council of Engineering Companies, National Executive Committee (2021-2023) American Council of Engineering Companies of North Carolina, Executive Committee (2014-2020) Engineering Companies for North Carolina, Board of Governors (2017-2022)

Education

Hoover High School, North Canton, Ohio (1990-1994) NC State University, Raleigh, North Carolina (1994-1998), BS Environmental Engineering NC State University, Raleigh, North Carolina (2003-2009), Master of Civil Engineering

Comments

Third - Sixth Board preferences of Wake County Water Partnership is meant for the Upper Neuse River Basin Association. The UNRBA is not a selectable option.

[Gary_Hartong_Bio__Resume.pdf](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

Demographics

Gary D Hartong

Date of Birth

Gender *

☒ Male

Ethnicity *

☒ Caucasian

Other

How did you become aware of Wake County volunteer opportunities?

☒ County Website

If you selected "Other" above, how?

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

By submitting this electronic application, if appointed, I pledge by my signature below that I have read and will comply with the ethics guidelines for advisory boards and commissions as adopted by the Wake County Board of Commissioners, found [here](#).

Gary Hartong, PE, LEED AP, FACEC



BIO

Gary Hartong is President of The Wooten Company, a multi-disciplinary firm with six offices in the Carolinas, headquartered in Raleigh. Wooten provides civil engineering, geomatics and architectural services to public entities, educational institutions, and private industry. A staunch advocate for infrastructure at every level, Gary was elected in January 2021 to Vice Chair of the American Council of Engineering Companies (ACEC) and in March 2023 he was elected to ACEC's College of Fellows. In his formative years, Gary learned from his grandfather about contemporary water disasters and – wanting to guard against them – decided to pursue an Environmental Engineering degree. After earning one from N.C. State, he continued there to complete his Master of Civil Engineering. Gary and his Wife Jess have four daughters and two dogs. As much as possible, they enjoy North Carolina's rivers, lakes, and beaches together.

RÉSUMÉ

Starting with Wooten as an intern, Gary ascended through the firm's ranks over two decades. He now forges a new era of service and growth across the Carolinas and beyond.

25+ Years Experience

President: Jan 2020 – Present

Executive Vice President: Feb. 2015 – Jan. 2020

Greenville Regional Manager: June 2007 – Dec. 2015

Project Engineer: July 2003 – June 2007

Project Engineer Assistant: Dec. 1998 – July 2003

Intern: Jan. 1998 – Dec. 1998

Areas of Expertise

- Engineering Management & Administration
- Funding Strategies
- Water & Wastewater Engineering
- Rate & Fee Studies

Education

- MCE, Civil Engineering (2009)
- BS, Environmental Engineering (1998)

Industry Leadership

American Council of Engineering Companies
Vice Chair • April 2021 – Present

Engineering Companies for North Carolina
Board of Governors • May 2017 – Present

American Council of Engineering Companies of North Carolina
*Board of Directors, Executive Committee
July 2014 – June 2020*

Community Involvement

Town of Wake Forest Parks, Recreation & Cultural Resources (PRCR) Advisory Board
Vice Chair • Jan. 2022 – Dec. 2022

Town of Wake Forest Parks, Recreation & Cultural Resources (PRCR) Advisory Board
Chair • Jan. 2021 – Jan. 2022

Wake Forest Greenways Advisory Board
Board Member • Jan. 2019 – Nov. 2020

Profile

Which Boards would you like to apply for?

Upper Neuse River Basin Association: Submitted

Please select your first Board preference: *

☒ Human Services Board

Please select your second Board preference: *

☒ Library Commission

Please select your third Board preference: *

☒ Jury Commission

Please select your fourth Board preference: *

☒ Board of Adjustment

Please select your fifth Board preference: *

☒ Planning Board

Please select your sixth Board preference: *

☒ Open Space and Parks Advisory Committee

Gloria

First Name

G

Middle Initial

Hope

Last Name

2926 Suncrest Village Ln

Street Address

Suite or Apt

Raleigh

City

NC

State

27616

Postal Code

What district do you live in?

None Selected

Mobile: (919) 601-6958

Primary Phone

Mobile: (919) 601-6958

Alternate Phone

gghope5@gmail.com

Email Address

North Carolina Department of Environmental Quality

Employer

Environmental Specialist I

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

☐ Yes ☒ No

In order to assure countywide representation, please indicate your place of residence:

☒ Raleigh

Interests & Experiences

Why are you interested in serving on a Board or Commission?

I want to serve my local area and ensure that citizens like myself have a voice in local and community proceedings. I also would like to put my knowledge and education to work in becoming involved with local politics, events, and processes.

Work Experience

Environmental Specialist I: North Carolina Department of Environmental Quality Graduate Research Assistant: Appalachian State University Research Consultant: SRS Real Estate Partners Research Assistant: Southeast Regional Climate Center

Volunteer Experience

Library Volunteer: Duraleigh Library Volunteer: #Fight4Her NC

Education

Master's Degree (5/2025): Appalachian State University (expected) GIS Certificate (5/2025): Appalachian State University & North Carolina State University (expected) Bachelor's Degree (05/2022): University of North Carolina at Chapel Hill

Comments

Thank you for considering my application!

[Gloria_Hope_GIS_Resume_10_07.pdf](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

Demographics

Date of Birth

Gender *

☒ Female

Ethnicity *

☒ Caucasian

Other

How did you become aware of Wake County volunteer opportunities?

☒ County Website

If you selected "Other" above, how?

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

By submitting this electronic application, if appointed, I pledge by my signature below that I have read and will comply with the ethics guidelines for advisory boards and commissions as adopted by the Wake County Board of Commissioners, found [here](#).

Gloria Hope

2926 Suncrest Village Lane

Raleigh, NC 27616

(919) 601-6958

gghope5@gmail.com

SKILLS

- Geographic information software: ArcGIS Suite, QGIS, GeothinQ
- Python, Arcade, and R programming languages
- Microsoft Office Suite
- Environmental modeling using Matlab
- Adobe Photoshop & Creative Cloud

EXPERIENCE

North Carolina Department of Environmental Quality - *Intern/Environmental Specialist I*

June 2024 - Present

- Used ArcGIS StoryMaps to create informative public-facing maps
- Used ArcGIS Online to create interactive & user-friendly webmaps
- Corrected river basin plans and other documents for grammar and punctuation

Appalachian State University - *Graduate Research Assistant*

August 2023 - Present

- Facilitated exams and provided feedback
- Assisted faculty with research objectives in political geography
- Digitized course content

SRS Real Estate Partners - *Research Consultant*

June 2022 - July 2023

- Used Adobe Photoshop to create maps from aerial imagery showing real estate markets
- Used ArcGIS Pro to create maps showing overviews of markets within urban areas
- Managed projects from 10+ real estate agents seeking information for clients
- Used ArcGIS Online to create client-facing web maps and webapps

Sonder Energy - *Intern*

March 2022 - May 2022

- Used specialized software to identify land suitable for potential development
- Reached out to and communicate with landowners as part of acquisition process
- Identified aspects that define land suitability for solar plant development

Southeast Regional Climate Center - *Research Assistant*

July 2021 - May 2022

- Generated datasets and tables using software and programming languages
- Generated maps using GIS software, programming scripts, and a combination of both
- Communicated findings and analyses of datasets, tables and maps
- Created, edited and submitted research-related documentation

EDUCATION

Appalachian State University - *MA Geography (expected)*

August 2023 - May 2025

Major: Geography; Thesis Option

North Carolina State University - *Graduate Certificate (incomplete)*

August 2022 - May 2023

Focus: Geographic Information Systems Technology

University of North Carolina at Chapel Hill - *BA Geography*

August 2018 - May 2022

Major: Geography, Concentration: Geographic Information System

Minor: French

Designated with Honors and Distinction, completed Senior Honors Thesis

PUBLISHED PAPERS

Hope, Gloria. 2022. Mold Growth by Climatological Factors In the Southeastern United States.

<https://doi.org/10.17615/pcm2-x411>

Profile

Which Boards would you like to apply for?

Upper Neuse River Basin Association: Submitted

Please select your first Board preference: *

☒ Raleigh-Durham Airport Authority

Please select your second Board preference: *

☒ Wake Technical Community College Board of Trustees

Please select your third Board preference: *

☒ Open Space and Parks Advisory Committee

Please select your fourth Board preference: *

☒ Wake County Water Partnership

Please select your fifth Board preference: *

☒ Triangle Transit Authority Board

Please select your sixth Board preference: *

☒ Economic Development Commission

Gilbert

First Name

A

Middle Initial

Formyduval

Last Name

4701 Saratoga Falls Ln

Street Address

Suite or Apt

Raleigh

City

NC

State

27615

Postal Code

What district do you live in?

None Selected

Mobile: (919) 737-5420

Primary Phone

Mobile: (919) 737-5420

Alternate Phone

gilbert.formyduval@gmail.com

Email Address

Parker Hannifin

Employer

Process Development Engineer

Job Title

If you live in an Extraterritorial Jurisdiction Area, select Yes:

☐ Yes ☒ No

In order to assure countywide representation, please indicate your place of residence:

☒ Unincorporated Wake County

Interests & Experiences

Why are you interested in serving on a Board or Commission?

I would like to get more involved in my community and contribute to ensure Wake county positions itself for the future and being inclusive of all its citizens

Work Experience

-5 years at Corning Inc as process engineer -2 years at Parker Hannifin as process development enginner

Volunteer Experience

-student mentorship at the college level and graduate level

Education

-B.S. Chemical Engineering, Florida Tech -M.S. Chemical Engineering, NC State -Ph.D Chemical Engineering, NC State

Comments

[Gilbert_Formyduval_v01.pdf](#)

Upload a Resume

If you have another document you would like to attach to your application, you may upload it below:

Please upload a file

Demographics

Date of Birth

Gender *

☒ Male

Gilbert A Formyduval

Ethnicity *

☒ Hispanic

Other

How did you become aware of Wake County volunteer opportunities?

☒ County Website

If you selected "Other" above, how?

Please upload a file

ETHICS GUIDELINES FOR COUNTY ADVISORY BOARDS AND COMMISSIONS

By submitting this electronic application, if appointed, I pledge by my signature below that I have read and will comply with the ethics guidelines for advisory boards and commissions as adopted by the Wake County Board of Commissioners, found [here](#).

Gilbert Formyduval (Castillo), PhD

919-737-5420 | gilbert.formyduval@gmail.com | www.linkedin.com/in/gilbertformyduval

Senior Materials Engineer and R&D Leader with 10+ years of engineering, development, and leadership experience in the glass, chemical, and automotive industries. **Deep expertise** polymeric, glass, and ceramic materials and their applications in new product development, manufacturing process development, and scale up. **Highly skilled** in manufacturing process design, failure mode analysis, change management, and risk assessment and mitigation for manufacturing processes. **Global collaborator** and **unifying communicator** with the ability to translate complex scientific concepts for non-technical and business stakeholders. **Bilingual** in English and Spanish.

Career Highlights

Designed New Manufacturing Facility for Thermal Gap Fillers

In two years, designed new manufacturing process (\$60M CapEx) for the continuous manufacturing of thermally conductive gap filler products.

New automated manufacturing facility designed to produce up to 12,000 metric tons per year of gap filler products.

Developed New Material That Saved \$105M in Packaging Costs

Served as technical lead on project to screen coating candidates for glass sheet surface protection during manufacturing. Identified multiple formulations that reduced surface defects (particles, stains, and scratches) by 50% or more.

Leveraged these insights to develop a new glass interleaf material that achieves these results while also reducing packaging costs by 90% per year, equating to \$105M spend.

Executed Multiple Continuous Improvement Initiatives

In five years, took the lead on several process improvement initiatives. Notable projects include:

- ✓ Improved coating curing process, resulting in \$1.5M/year savings for the optical communications business.
- ✓ Scaled up production of key automotive parts, which reduced cycle time by 80%.
- ✓ Increased annual revenue by approx. \$1M by developing a fixturing system to improve yield and quality of automotive interior glass panels.

Professional & Research Experience

PARKER HANNIFIN, Cary, NC

Process Development Engineer, 04/2022 to present

Led engineering team in the process engineering group for development and scale up of continuous manufacturing of thermally conductive silicone and urethane gap fillers. Delivered technical feasibility of manufacturing technology at pilot scale and process design of large-scale production.

- Delivered pilot-scale manufacturing line capable to produce thermally conductive silicone and urethane gap fillers that met customer specifications; identified critical equipment and process parameters for optimal gap filler production
- Developed large-scale manufacturing process, specified manufacturing equipment and facility requirements, conducted vendor equipment trials, and performed equipment vendor selection
- Implemented controls engineering capability that allows for statistical process control and fundamental understanding of process impacts on key product characteristics

CORNING INCORPORATED, Corning, NY

Supervisor/Sr. Process Engineer, Surface Engineering, 08/2019 to 04/2022

Process Engineer, Surface & Coating Engineering, 07/2017 to 08/2019

Bridged the science, engineering, and R&D groups to support the display technology, specialty materials, pharmaceutical, and automotive glass solutions business units. Led team of four (scientist, two engineers, and technician).

- Led coating formulation development projects for glass products as well as development of large-scale coating application processes
- Optimized manufacturing processes for better yield, cycle time, product quality, cost effectiveness, and customer satisfaction, with a focus on resolving issues related to coatings, surface contaminants, and surface defects
- Worked in close collaboration with global, peers in engineering and science disciplines located in North America, Europe, and Asia plant sites, as well as suppliers (raw materials and equipment) and major customers
- Managed cross-functional project teams and direct reports

NORTH CAROLINA STATE UNIVERSITY, Raleigh, NC

Polymer Research Scientist (Graduate Researcher), 08/2012 to 05/2017

With industrial partner (Eastman Chemical Company), led a multiyear project to develop a more sustainable, low-cost method for producing multifunctional surfaces.

- Designed coating system for use as a platform for surface functionalization of polyesters, based on structure-property relationships of polyester materials
- Utilized general surface characterization tools (e.g., fluorescence microscopy, XPS, AFM, FTIR, and TOF-SIMS), analytical chemistry techniques (e.g., LC-MS, GC-MS, and NMR), and laboratory methods (e.g., spin-coating, dip-coating, thin-layer chromatography, and re-crystallization purification methods)
- Coating system improved solvent resistance of polyester material, prevented solvent-induced crystallization, and improved scratch resistance

Continued next page

Honors & Awards

- ✓ 1st Place Winner, Schoenborn Graduate Research Symposium, NC State University, 2017
- ✓ Winner, [Three-Minute Thesis Public Speaking Contest](#), NC State University, 2016
- ✓ Corning GEM Graduate Fellowship, 2013
- ✓ Congress-Bundestag Fellowship for Young Professionals, 2011
- ✓ NASA Motivating Undergraduates in Science and Technology (MUST) Scholar, 2008 to 2011
- ✓ Horatio Alger Scholar, 2007
- ✓ American Chemical Society Scholar, 2007

Patents

- ✓ [Engineering paper for flat panel display surface protection](#) (WO2022245608A1 Filed 2022)
- ✓ [Surface-modified polymers](#) (U.S. 20190185620A1, Filed 2019)
- ✓ [Textured glass articles and methods of making the same](#) (U.S. 11485677B2, Granted 2022)
- ✓ [Surface-modified polymers](#) (U.S. 20190225746A1, Filed 2016)
- ✓ [Compact electronic security locker system](#) (U.S. 20090033456A1, Filed 2007)

Certification & Licensure

- ✓ Engineering Intern, Florida Board of Professional Engineers, 2011
- ✓ Situational Leadership, The Ken Blanchard Companies, 2021
- ✓ Leading Engaged Teams, The Wiseman Group, 2021
- ✓ Six Sigma DMAIC Green Belt, Corning, 2019

Additional Experience

EASTMAN CHEMICAL COMPANY, Kingsport, TN

Co-Op, Cellulose Ester Applications Innovations, 08/2015 to 12/2015

Investigated structure-property relationship of cellulose esters to tailor material for various applications, including flame retardants and fragrance release materials. Developed a low-cost, non-toxic flame retardant formulation for cellulose esters.

CORNING INCORPORATED, Corning, NY

Intern, Display Technologies, Product & Process Development, 05/2013 to 08/2013

Investigated glass surface treatments to minimize electrostatic discharge events, including development of a metrology method to measure electrostatic discharge on glass surfaces.

BASF SE, Ludwigshafen, Germany

Co-Op, Energy Conversion & Storage, Electrochemical Research, 02/2012 to 06/2012

Developed a carbon electrode that was less prone to corrosion, thus extending fuel cell battery life. Determined the mechanism of carbon electrode corrosion in fuel cell batteries. Installed corrosion testing apparatus for fuel cell electrodes.

NASA | Goddard Space Flight Center, Greenbelt, MD

Intern, Contamination & Coatings Engineering, 06/2010 to 08/2010

Part of the team that developed a conductive thermal coating system for spaceflight applications, including optimizing an application technique that improved adhesion of thermal protective coating to the surface of composite materials.

NASA | Ames Research Center, Mountain View, CA

Intern, Prognostics Center of Excellence, 06/2009 to 08/2009

Designed and conducted experiments using electrochemical impedance spectroscopy to predict end-of-life of lithium-ion batteries. Contributed to efforts to manufacture samples and setup of testing apparatus to predict failure of carbon composites used in aviation.

Publications

Castillo, G.A., Efimenko, K., Dickey, M.D., Gorman, C.B., & Genzer, J. (2021). Deposition of Silicate Coatings on Poly(ethylene terephthalate) for Improved Scratch and Solvent Resistance. *Journal of Applied Polymer Science*, 139(11).

Joshipura, I.D., Ayers, H.R., **Castillo, G.A.,** Ladd, C., Tabor, C.E., Adams, J.J., & Dickey, M.D. (2018). Patterning and Reversible Actuation of Liquid Gallium Alloys by Preventing Adhesion on Rough Surfaces. *ACS Applied Materials & Interfaces*, 10(51).

Castillo, G.A., Wilson, L., Efimenko, K., Dickey, M.D., Gorman, C.B., & Genzer, J. (2016). Amidation of Polyesters is Slow in Nonaqueous Solvents: Efficient Amidation of Poly(ethylene terephthalate) with 3-Aminopropyltriethoxysilane in Water for Generating Multifunctional Surfaces. *ACS Applied Materials & Interfaces*, 8(51).

Education

NORTH CAROLINA STATE UNIVERSITY, Raleigh, NC

Doctor of Philosophy (PhD) in Chemical Engineering

Dissertation: ["Surface Modifications and Functional Silicate Coatings for Polyesters and Cellulose Esters"](#) (Full text available at link)

Master of Science (MS) in Chemical Engineering

FLORIDA INSTITUTE OF TECHNOLOGY, Melbourne, FL

Bachelor of Science (BS) in Chemical Engineering