

# KELLY ANN STEVENS

University of Central Florida  
School of Public Administration  
College of Community Innovation and Education  
Resilient, Intelligent, and Sustainable Energy  
Systems (RISES) Center

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## Professional Appointments

- 2017-Present    **Assistant Professor**, School of Public Administration, University of Central Florida  
**Secondary Joint Appointments:**
- Resilient, Intelligent, and Sustainable Energy Systems (RISES), 2017-Present
  - FSEC Energy Research Center, 2021-Present
- 2012-2017    **Research Associate**, Center for Policy Research, Syracuse University  
Center for Environmental Policy and Administration  
Maxwell School of Citizenship and Public Affairs
- 2006-2012    **Meteorologist**, Florida Department of Environmental Protection  
Division of Air Resource Management, Office of Policy Analysis and Program  
Management
- 2004-2006    **Teaching Assistant**, Meteorology Department, Florida State University  
College of Arts and Sciences
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## Educational Background

- 2012-2017    **Ph.D.** Public Administration, Syracuse University  
Maxwell School of Citizenship and Public Affairs  
*Fields of specialization:* Environmental Policy and Management; Science and  
Technology Policy  
*Dissertation title:* The Impact of Environmental Policies and Innovation on the  
Investment in and Use of Natural Gas-Fired Combined Cycle Generators in the US  
Electricity Sector  
*Dissertation Committee:* Peter Wilcoxon, David Popp, Sarah Hamersma, W. Henry  
Lambright, Inês Azevedo (external)
- 2009-2012    **MPA**, Public Administration, Florida State University  
*Specialization:* Environmental Management
- 2004-2008    **MS**, Meteorology, Florida State University
- 2000-2004    **BS**, Meteorology, Oneonta State University  
Minor in Earth Science and Mathematics, *Magna cum laude*

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## Research

\*Denotes student collaboration

Journal impact factors obtained from Journal Citation Reports

(<https://jcr.clarivate.com/JCRLandingPageAction.action>). Journal rankings obtained from Scimago Journal & Country Rankings (<https://www.scimagojr.com/>).

**Research Interests:** energy policy, environmental policy, air quality, climate change, renewable energy, smart grids, resilience, science and technology policy, innovation.

### Peer-Reviewed Publications

11. \*Eastman, E., **Stevens, K.A.**, Ivey, C., & Yu, H. (2022). On the potential of iPhone significant location data to characterize individual mobility for air pollution health studies. *Frontiers of Environmental Science and Engineering*, 16(5). Forthcoming. (Impact factor: 4.357)
10. Zavattaro, S.M., & **Stevens, K. A.** (2022). Meteorologists and Personal Branding: Is There a Connection? *Weather, Climate, and Society*. Forthcoming. (Impact factor: 2.746)
9. **Stevens, K. A.**, \*Iman, S., & Davis, K. O. (2022). The Cost of Utility Discretion on Residential Solar Requirements. *Renewable and Sustainable Energy Reviews*, 159, 112231. <https://doi.org/10.1016/j.rser.2022.112231>. (Impact factor: 14.98).
8. Carroll, D. A., & **Stevens, K. A.** (2021). The Short-Term Impact on Emissions and Federal Tax Revenue of a Carbon Tax in the U.S. Electricity Sector. *Energy Policy*, 158, 112526. <https://doi.org/10.1016/j.enpol.2021.112526> (Impact factor: 6.142).
7. **Stevens, K.A.**, Bryer, T. A., & Yu, H. (2021). Air Quality Enhancement Districts: Democratizing Data to Improve Respiratory Health. *Journal of Environmental Studies and Sciences*. <https://doi.org/10.1007/s13412-021-00670-9> (Impact factor: 1.61)
6. **Stevens, K.A.**, Carroll, D. A. (2020). A Comparison of Different Carbon Taxes on Utilization of Natural Gas. *Energy and Climate Change*, 1, 100005. <https://doi.org/10.1016/j.egycc.2020.100005>
5. **Stevens, K. A.** (2020) Analysis of the Advanced Turbine System Program on Innovation in Natural Gas Technology. *Energies*, 13(19), 5057. <https://doi.org/10.3390/en13195057> (Impact factor: 3.004)
4. **Stevens, K.A.** (2018). Natural Gas Combined Cycle Utilization: An Empirical Analysis of the Impact of Environmental Policies and Prices. *The Energy Journal*, 39(5), 205-229. <https://doi.org/10.5547/01956574.39.5.kste> (Impact Factor: 2.394)

3. **Stevens, K.A.,** & Ruscher, P. (2014). Large Scale Climate Oscillations and Mesoscale Surface Meteorological Variables in the Apalachicola-Chattahoochee-Flint River Basin. *Journal of Hydrology*, 517, 700-714. <https://doi.org/10.1016/j.jhydrol.2014.06.002> (Impact Factor: 4.5)
2. Bowman, J., & **Stevens, K.A.** (2013). Public Pay Disclosure in State Government: An Ethical Analysis. *The American Review of Public Administration*, 42(4), 476-492. <https://doi.org/10.1177/0275074012445597> (Impact Factor: 2.168)
1. **Stevens, K.A.,** DeAngelo, G., & Brice, S. (2011). Comparative study of selected greenhouse gas offset protocols. *International Journal of Climate Change Strategies and Management*, 3(2), 118-139. <https://doi.org/10.1108/17568691111128977> (Impact Factor: 1.791)

### Book Chapters

2. **Stevens, K.A.** Under the Radar: Stories from Government Meteorologists. In S. Zavattaro, J.E. Sowa, A. C. Henderson, & L. H. Edwards (Eds.), *Serving in Silence: The Unheard Stories of Essential Public Servants*. SUNY Press. (Forthcoming)
1. **Stevens, K.A.** (2017). Organizational Understanding of the U.S. Environmental Protection Agency's "Unfinished Business." In G. Magill & K. Aramesh (Eds.), *The Urgency of Climate Change: Pivotal Perspectives*. Cambridge Scholars Publishing.

### Reports

6. **Stevens, K.A.,** & \*Rouhollahi, A. (2021, January 19). Side Effects: How Renewable Energy Policies Drive Innovation in Complementary Grid Technologies. Information Technology & Innovation Foundation. <https://itif.org/publications/2021/01/19/side-effects-how-renewable-energy-policies-drive-innovation-complementary>.
5. **Stevens, K. A.,** Michaud, G., & Jenkins, D. (2020, October 15). Impact Analysis of Power Purchase Agreements (PPAs) in Florida. Solar United Neighbors. <https://www.solarunitedneighbors.org/wp-content/uploads/2020/10/Impact-Analysis-of-Power-Purchase-Agreements-in-Florida.pdf>.
4. Zavattaro, S., **Stevens, K.A.,** & Emrich, C. (2020). Meteorologists and Personal Branding: Is There a Connection? National Hazards Center, Quick Response Grant. <https://hazards.colorado.edu/quick-response-report/meteorologists-and-personal-branding>.
3. **Stevens, K.A.,** Sellnow, D., Zhihua, Q., & Hess, M. (2020). Policy and Technology for Enhancing Cybersecurity of Electric Grid and Internet of Things (IOT) Devices. UCF Downtown Project Funding Final Report.
2. **Stevens, K.A.,** & Carroll, A. D. (2019). The Impact of a Revenue Neutral Carbon Tax on Substitution of Natural Gas for Coal in the Electricity Sector. Alliance for Market Solutions.

[https://amsresearch.org/wp-content/uploads/2020/05/AMS\\_Carroll-Stevens-White-Paper\\_FINAL\\_May-2020.pdf](https://amsresearch.org/wp-content/uploads/2020/05/AMS_Carroll-Stevens-White-Paper_FINAL_May-2020.pdf).

1. **Stevens, K.A.**, DeAngelo, G., & Brice, S. (2010). Comparative Study of Selected Offset Protocols for Greenhouse Gas Reduction and Reporting Programs. Florida Department of Environmental Protection, Division of Air Resource Management, Office of Policy Analysis and Program Management.

### **Publications in National Conference Proceedings (peer-review unless otherwise stated)**

2. Carroll, D. A., & **Stevens, K.A.** (2020). The Short-Term Impact on Emissions and Federal Tax Revenue of a Carbon Tax in the U.S. Electricity Sector. Proceedings of the IIAS 90<sup>th</sup> Anniversary Conference.

1. **Stevens, K.A.**, & Carroll, D. A. (2020). The Impact of a Carbon Tax on Substitution of Natural Gas for Coal. Proceedings of the 112<sup>th</sup> Annual Conference on Taxation, *National Tax Journal*, 112. Ranked 54/259 in Finance; Impact Factor 0.86.

### **Non-Peer Reviewed Publications**

3. **Stevens, K. A.**, Michaud, G., & Jenkins, D. (2021, April 26). What is the Significance of Potential Solar PPA Legislation in Florida? *Solar Today Magazine*. <https://ases.org/what-is-the-significance-of-potential-solar-ppa-legislation-in-florida/>

2. **Stevens, K.A.**, Bryer, T. A., & Yu, H. (2020, June 15). How Democratizing Air Quality Data will Empower Citizens. *Medium, 3Streams*. <https://medium.com/3streams/democratizing-air-quality-data-in-response-to-covid-19-96fcb47c10f>.

1. Carroll, D., **Stevens, K.A.**, & Rowe, John W. (2020, May 15). Markets over regulation: Driving lower emissions generation through a carbon tax. *Utility Dive, Opinion*. <https://www.utilitydive.com/news/markets-over-regulation-driving-lower-emissions-generation-through-a-carbo/578000/>.

### **Under Review & Working Papers**

2. **Stevens, K.A.**, Tang, T., & Hittinger, E. Assessing the Relationship between Renewable Energy Policies and Innovation of Complementary Technology.

1. **Stevens, K.A.**, Hasan, S., & Yu, H. Privacy and Security Concerns Regarding Passively Collected Location Data.

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## Funded Research

### External Research Funding (Credit: \$435,036)

4. **Stevens, K.A.** (Principal Investigator), & Michaud, G. (August 2020-October 2020). *Impact Analysis of Power Purchase Agreements (PPAs) in Florida*. Solar United Neighbors, Washington, DC. \$10,000.

Research Credit Split: Stevens (**100%**)

Credit: \$10,000

3. Zavattaro, S.M., **Stevens, K.A.** (Co-Principal Investigator), & Emrich, C. (October 2019-September 2020). *Questioning Public Science: Exploring Perceptions of Meteorological Aptitude and Scientists Response*. National Hazards Center, Quick Response Grant. \$2,000.

Research Credit Split: Zavattaro (33%), Stevens (**33%**), Emrich (33%)

Credit: \$666

2. Fu, X., Yu, H., Fan, D., **Stevens, K.A.** (Co-Principal Investigator), & Bryer, T. (October 2019-September 2022). *CPS: Medium: A Secure, Trustworthy, and Reliable Air Quality Monitoring System for Smart and Connected Communities*. National Science Foundation, Washington, D.C. \$1,198,111

Research Credit Split: Yu (33%), Stevens (**33%**), Bryer (33%)

Credit: \$399,370

1. **Stevens, K.A.** (Principal Investigator), & Carroll, D. (January 2019-December 2019). *The Impact of a Revenue Neutral Carbon Tax on Substitution of Natural Gas for Coal in the Electricity Sector*. Alliance for Market Solutions, Washington, D.C. \$50,000

Research Credit Split: Stevens (**50%**), Carroll (50%)

Credit: \$25,000

### Internal Research Funding (Credit: \$47,460)

7. Hasan, S., Yu, H., Fu, Y., Hines, R., & **Stevens, K.A.** (Co-Principal Investigator). (January 2021-December 2021). *Tracking Community Transmission and Exposure of an Infection Disease Using Passively Collected Location Data*. University of Central Florida, Seed Funding Program, Interdisciplinary Research Awards. \$50,000.

Research Credit Split: Hasan (20%), Yi (20%), Fu (20%), Hines (20%), Stevens (**20%**)

Credit: \$10,000

6. **Stevens, K.A.** (Principal Investigator), Sellnow, D., Qu, Z., & Hess, M. (April 2020). *Policy and Technology for Enhancing Cybersecurity of Electric Grid and Internet-of-Things (IOT) Devices*. University of Central Florida, Downtown Interdisciplinary Research Initiative, \$7,000

Research Credit Split: Stevens (**33%**), Sellnow (33%), Qu (33%)

Indirect Funding: \$1,760.

5. **Stevens, K.A.** (2019). Impact of Renewable Policies on Innovation of Complementary Technology. University of Central Florida - VPR Advancement of Early Career Researchers (AECR), 1 year grant, PI Credit: \$7,500.
4. Maxwell Dissertation Fellowship. (2015-2016). PI Credit: \$23,000.
3. Maxwell PAIA Summer Research Grant. (2016, 2015, 2014, 2013). \$4,000.
2. Syracuse University Graduate Student Organization Travel Grant. (2015). \$200.
1. Center for Environmental Policy and Administration Summer Research Grant. (2014, 2013). \$1,000.

### **Contributions to Other Grant Work**

2. “Cybersecurity risks of dynamic, two-way distributed electricity markets.” National Science Foundation. Conducting econometric modeling of high-frequency electricity demands by households, as well as an economic analysis of cybersecurity aspects of highly distributed electricity markets. (For Co-PI Peter Wilcoxon, 2017).
1. “Third-Party Evaluation of Say Yes in Buffalo.” The Say Yes to Education Foundation. Completed work using geographic information systems (GIS) for data analysis. (For PI Robert Bifulco, 2015-2016.).

## **Presentations**

### **Conferences**

30. **Stevens, K.A.**, Chan, G., & Michaud, G. (2022, March 28). Super Session Moderator/Presenter: The Way Forward with More Inclusive Energy Scenarios. *Association for Public Policy Analysis & Management Fall Research Conference*. Austin, TX.
29. **Stevens, K.A.**, Hasan, S., & Yu, H. (2022, March 20). Privacy and Security Concerns with Passively Collected Location Data. *American Society for Public Administration Annual Conference, Section on Science and Technology in Government Panel*. Jacksonville, FL.
28. **Stevens, K.A.**, & Tang, T. (2021, November 2). Renewable Energy Policies and Innovation of Complementary Technology. *28th USAEE/IAEE North American Conference: Navigating Transitions: Economic, Social, Technical and Policy Challenges*. Virtual conference.
27. Carroll, D. A., & **Stevens, K.A.** (2020, December 16). The Short-Term Impact on Emissions and Federal Tax Revenue of a Carbon Tax in the U.S. Electricity Sector. *International Institute of Administrative Sciences 90<sup>th</sup> Anniversary Conference: Accounting and Accountability for Resilience and Climate Action in the Public Sector*. Virtual conference.

26. **Stevens, K.A.**, Iman, S. & Davis, K. O. (2020, November 13). The Cost of Utility Discretion on Residential Solar Requirements. *Association for Public Policy Analysis & Management Fall Research Conference*. Virtual conference. <https://appam.confex.com/appam/2020/meetingapp.cgi/Session/14507>.
25. **Stevens, K.A.**, Michaud, G., & Jenkins, D. (2020, October 15). How Solar Power Purchase Agreements will Benefit Florida. *2020 National Solar Conference*. Virtual conference. <https://www.solarcongress.org/>. Presentation available at <https://www.youtube.com/watch?v=dy0kAIPg96E>.
24. Carroll, D. A., & **Stevens, K.A.** (2020, June 25). The Short-Term Impact on Carbon Emissions and Federal Tax Revenue of a Carbon Tax in the Electricity Sector [Conference workshop]. *International Institute of Administrative Sciences 2020 Conference: Public Governance for Climate Action*. Virtual conference. <https://www.conftool.org/iias-conference2020/sessions.php>.
23. **Stevens, K. A.**, \*Rouhollahi, A. (May, 2020). Renewable Policies and Innovation of Complementary Fossil Technology. *American Society for Public Administration*. Virtual conference.
22. **Stevens, K.A.**, Carroll, D. A. (April 2020). The Impact of a Revenue Neutral Carbon Tax on Substitution of Natural Gas for Coal in the Electricity Sector. *American Society for Public Administration*. Anaheim, CA. (Conference canceled)
21. **Stevens, K. A.**, Sellnow, D., Qu, Z., Hess, M. (March, 2020). Policy and Communication for Enhancing Smart Grid Cybersecurity. *Public Administration Research Conference*. Orlando, FL. (Conference canceled)
20. Carroll, D., & **Stevens, K. A.** (2019). The Impact of a Carbon Tax on Substitution of Natural Gas for Coal. *National Tax Association 112<sup>th</sup> Annual Conference*. Tampa, FL.
19. **Stevens, K.A.**, & Carroll, D. A. (2019). The Impact of a Carbon Tax on Substitution of Natural Gas for Coal. *United States Association of Energy Economics*. Denver, CO.
18. Carroll, D., & **Stevens, K.A.** (2019). The Impact of a Revenue Neutral Carbon Tax on Substitution of Natural Gas for Coal in the Electricity Sector. *Association for Budgeting and Financial Management*. Washington, DC.
17. **Stevens, K.A.**, & \*Rouhollahi, A. (2019). Assessing the Relationship Between Renewable Energy Policies and Innovation of Complementary Technology. *Prairie Political Science Association*. Banff, CAN.
16. **Stevens, K.A.**, & Carroll, D. A. (2019). The Impact of a Carbon Tax on Substitution of Natural Gas for Coal. *Association for Environmental Studies and Sciences*. Orlando, FL.

15. **Stevens, K.A.**, \*Iman, S., \*Bissessar, R., & Reedy, R. (2019). The Impact of Utility Discretion on Residential Solar Requirements. *International Association for Energy Economics*. Montreal, CAN.
14. **Stevens, K.A.**, \*Iman, S., \*Bissessar, R. & Reedy, R. (2019). The Impact of Utility Discretion on Residential Solar Requirements. *American Society for Public Administration Annual Conference*. Washington, DC.
13. **Stevens, K.A.**, \*Iman, S., \*Bissessar, R. & Reedy, R. (2019). The Impact of Utility Discretion on Residential Solar Requirements. *Public Administration Research Conference*. Orlando, FL.
12. **Stevens, K.A.**, \*Bissessar, R. & Reedy, R. (2018). Barriers to Entry: Costs of Redundant Residential Solar Requirements. *Association of Environmental Studies and Sciences*. Washington, DC.
11. **Stevens, K.A.** (2017). Natural Gas Combined Cycle Innovations in the US: The Impact of the Advanced Turbine System Program. *United States Association of Energy Economics*. Houston, TX.
10. **Stevens, K.A.** (2016). Feasibility of Natural Gas Combined Cycle Utilization Targets: Evidence from Policy and Prices. *United States Association of Energy Economics*. Tulsa, OK.
9. **Stevens, K.A.** (2016). Utilization of Natural Gas Capacity in Response to U.S. EPA's Clean Power Plan. *Association for Public Policy Analysis and Management Regional Student Conference*. Washington, DC.
8. **Stevens, K.A.** (2015). Utilization of Natural Gas Capacity in Response to U.S. EPA's Clean Power Plan. *Association for Public Policy Analysis and Management*. Miami, FL.
7. **Stevens, K.A.** (2015). Understanding the 2001-2003 Boom in Natural Gas Capacity in the U.S. Electricity Sector. *United States Association of Energy Economics*. Pittsburgh, PA.
6. **Stevens, K.A.** (2015). Organizational Understanding of the U.S. EPA's "Unfinished Business." *Duquesne University Presidential Conference on the Integrity of Creation: Climate Change*. Pittsburgh, PA.
5. **Stevens, K.A.** (2015). Understanding the 2001-2003 Boom in Natural Gas Capacity in the U.S. Electricity Sector. *Association of Environmental and Resource Economists 4th Annual Summer Conference*. San Diego, CA.
4. **Stevens, K.A.** (2015). Utilization of Natural Gas Capacity in Response to the U.S. Clean Power Plan. *Seventh International Conference on Climate: Impacts and Responses*. Vancouver, BC.
3. **Stevens, K. A.**, DeAngelo, G., & Brice, S (2010). Offset Protocols and Florida Cap and Trade



Programs. 14th Annual Power Generation Conference. Orlando, FL.

2. **Stevens, K. A., & Ruscher, P. (2008).** Drought and its Relationship to Long-term Climatological Indicators in the Apalachicola-Chattahoochee-Flint River Basin. *University of Florida Water Institute Symposium*. Gainesville, FL.

1. **Stevens, K. A., & Ruscher, P. (2008).** Drought and its Relationship to Long-term Climatological Indicators in the Apalachicola-Chattahoochee-Flint River Basin. *88th Meeting of the American Meteorological Society, Conference on Hydrology*. New Orleans, LA.

### **Invited Talks**

13. “The Smart and Trustworthy AIR quality network (STAIR).” Clean Air Monitoring and Solutions Network (CAMS-Net) "Meet the Networks." Virtual presentation. November 15, 2021. With Yu, H., Fu., X., Fan, D., & Bryer, T.

12. “Solar Access for Florida Press Event.” Solar Power Purchase Agreement for School Campaign for Solar United Neighbors. March 11, 2021. With Rep. Hardy and Sen. Berman. Available at: <https://www.solarunitedneighbors.org/florida/take-action/help-florida-schools-save-with-solar/>.

11. “How Solar Power Purchase Agreements will Benefit Florida.” Pre-Launch Event for Solar United Neighbors. October 7, 2020. With Gilbert Michaud and David Jenkins. Available at: <https://www.youtube.com/watch?v=dy0kAIPg96E>.

10. “The Impact of a Revenue Neutral Carbon Tax on Substitution of Natural Gas for Coal in the Electricity Sector.” Alliance for Market Solutions Board Meeting. June 24, 2020. With Deborah A. Carroll.

9. “Environmental Policy Alternatives." PAD6035: Public Administration in the Policy Process. University of Central Florida, Orlando, FL. October, 2019.

8. “Clean Energy in the US: A Focus on Cleaner Policies and Technology." GEEOlogue, University of Central Florida, Orlando, FL. September, 2019.

7. “On the Security of Low-Cost Air Quality Monitoring Networks." US EPA Air Sensor Brownbag Webinar. June, 2019. With Xinwen Fu and Haofei Yu.

6. “Air Quality Modeling for FDEP." ENV6106: Air Pollution Modeling. University of Central Florida, Orlando, FL. March, 2018 & 2019.

5. “The Intersection of Energy Policy and Technology." EEL3290: Global Energy Issues. University of Central Florida, Orlando, FL. February, 2018 & 2019.

4. “Natural Gas Combined Cycle Innovations in the US: The Impact of the Advanced Turbine System Program.” Center for Climate and Energy Decision Making Student Seminar. Carnegie Mellon University, Pittsburgh, PA. December, 2016.
  3. “Utilization of Natural Gas Capacity in Response to U.S. Clean Power Plan.” Center for Climate and Energy Decision Making Student Seminar. Carnegie Mellon University, Pittsburgh, PA. April, 2016.
  2. “State Environmental Agencies and Policy.” POSC 202: State and Local Governments. Duquesne University, Pittsburgh, PA. March, 2015.
  1. “Case Study on Florida DEP Greenhouse Gas Cap-and-Trade Rulemaking.” PAI 730: Climate Change: Science, Policy and Perspectives. Syracuse University, Syracuse, NY. October, 2013.
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## **Teaching and Mentoring**

### **Courses Taught**

\*denotes new course, +denotes new modality

#### **University of Central Florida**

School of Public Administration

- PAD4351: Issues in Environmental Program Management (Quality designation)
  - Face-to-Face: Fall 2021+
  - Mixed-Mode: Fall 2019+
  - Online: Fall 2020+
- PAD4822: Intergovernmental Administration (Quality designation)
  - Face-to-Face: Fall 2017,\* Spring 2018, Spring 2019
  - Online: Fall 2019+, Summer C 2020, Fall 2020, Summer C 2021, Fall 2021
- PAD5887: Energy Policy
  - Face-to-Face & Video-Based: Spring 2022\*
- PAD6616: Economic Principles for Public Policy and Management (Quality designation)
  - Face-to-Face: Fall 2017\*
  - Online: Spring 2019+, Spring 2020, Spring 2022
- PAD6700: Research Methods
  - Online: Spring 2018
- PAF7908: Directed Independent Study
  - Spring 2022: Policies for Sustainable and Resilient Energy

#### **Syracuse University**

Maxwell School of Citizenship and Public Affairs

- Geographic Information Systems for Social Science: Face-to-face, mini-course\*

#### **Florida State University**

Meteorology Department

- **MET1010L: Introduction to Meteorology Lab**
  - Face-to-face: Fall 2004, Spring 2005, Fall 2005, Spring 2006

### **Teaching Enhancement Activities**

1. 2022, Center for Distributed Learning: “Panopto Essentials,” UCF, January 4, 2021.
2. 2021, Faculty Center for Teaching and Learning: “Planning and Assessing Group Assignments,” UCF, July 16, 2021.
3. 2020, Faculty Center for Teaching and Learning: “The COVID Classroom – Teaching and Learning During a Pandemic,” UCF, September 18, 2020.
4. 2020, Faculty Center for Teaching and Learning: “Academic Dishonesty in Online Environments,” UCF, June 12, 2020.
5. 2019, Faculty Center for Teaching and Learning: “Case-Based and Problem-Based Learning Workshop,” UCF, November, 8, 2019.
6. 2019, Faculty Center for Teaching and Learning: “Webcourses Gradebook and Improving Collaboration Workshop,” UCF, July 12, 2019.
7. 2019, National Association of Geoscience Teachers in collaboration with the Association for Environmental Studies and Sciences: “Energy, Earth and Environmental Education: A Community-Building Workshop,” Orlando, June 26, 2019.
8. 2018, Faculty Center for Teaching and Learning: Student Observation Program, UCF, Spring 2018.
9. 2017, Faculty Center for Teaching and Learning: “IDL6543: Interactive Distributed Learning,” UCF, Fall 2017.

### **Doctoral Dissertation Committees**

- Member, Sara Iman, UCF – Public Affairs, graduation anticipated 2022
- Member, Mina Razghandi, UCF – Computer Science, graduation anticipated 2022
- Member, Elchin Kazimov, UCF – Public Affairs, graduation anticipated 2023

### **Other Graduate Mentorship**

- Advisor, Sheila Newman, UCF - Master’s in Interdisciplinary Studies Capstone, 2020

## **Service**

Journal Reviews: *Climate Policy* (1); *Environmental Research Letters* (1); *International Journal of Climatology* (1); *Journal of Urban Affairs* (1); *Public Administration Review* (1); *Public Personnel Management* (1); *Resource and Energy Economics* (2); *Weather, Climate, and Society* (1)

#### Grant Reviews:

- National Science Foundation (NSF), panelist, 2021

#### Conference Reviews:

- Association for Public Policy Analysis & Management, Fall Research Conference 2021, Natural Resource Security, Energy, and Environmental Policy

**Service to University:**

- Urban Resilience Initiative fellow (2020-present)
- Sustainable Development Masters Committee (2020-present)
- Energy Council (2019-present)
- Environmental Studies Curriculum Committee (2019-present)
- Energy Blue Ribbon Panel (2018)

**Service to School:**

- PhD Appeals Committee (2022)
- Director Search Committee (2019-2020)
- Student Engagement (2019-2020)
- Undergraduate Curriculum Council (2020-present)
- PhD Committee (2019-Present)
- TOP Search Committee (2019)
- Nomination and Selection Committee for Exemplary Public Service (2019)
- Public Administration Advisory Board (2018-present)

**Service to Research Center/Cluster:**

- RISES Energy Storage Search Committee (2021-2022)
- RISES Certificate Development Committee (2018-2020)
- RISES Search Committee (2017-2018)

**Service to Profession:**

- Public Administration Research Conference Panel Organizer, “Local Priorities Towards Sustainability and Resilience.” 2022. Virtual Conference.

**Student Advising:**

- UCF Student Chapter of American Public Works Association (faculty advisor, 2019-2020)
- US Department of Energy Solar District Cup (2019)
- UCF Interdisciplinary Studies Capstone: Sheila Newman (2020)

**Other:**

- Center for Success of Women Faculty Mentoring and Networking Community, Faculty Excellence, University of Central Florida, Orlando, FL, January - April 2020.

**Professional Affiliations:**

- UCF’s Center for Global Economic and Environmental Opportunity Fellow
  - International Association for Energy Economics
  - United States Association for Energy Economics
  - American Society for Public Administration
  - Association of Public Policy Analysis and Management
  - Association for Environmental Studies and Sciences
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## **Awards/Distinctions**

### **Academic**

- SPA Knight Award, Outstanding Junior Faculty Researcher, 2020-2021
- Information Technology and Innovation Foundation Clean Energy Scholar, 2019
- Pi Alpha Alpha Global Honor Society, 2019
- Syracuse University All-University Dissertation Award, 2018
- USAEE Student Registration Fee Scholarship, 2016, 2015
- Graduate Scholar Award for Climate Change Impacts and Responses Conference, 2015
- Phi Eta Sigma National Honor Society
- Chi Alpha Sigma National College Athlete Honor Society
- Omicron Delta Kappa National Leadership Honor Society
- Chi Epsilon Pi National Honor Society in Meteorology
- National Soccer Coaches Association of America Scholar All-East 2nd Team, 2003
- Oneonta State Scholar Athlete of the Year, 2003
- Academic All-District 1 First Team, 2003
- Verizon Academic All-District 1 Third Team, 2002

### **Other**

- Oneonta State Athletic Hall of Fame, 2014
- Oneonta State Athlete of the Year, 2004
- Women's DIII Indoor Track All-American, 2004
- Women's DIII Soccer National Champion, 2003
- Oneonta State Student-Athlete of the Year, 2003