

**Dr. Andrés D. González**  
The University of Oklahoma  
School of Industrial and Systems Engineering  
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## **Education**

PhD, Universidad de los Andes, 2017.

Major: Engineering

Supporting Areas of Emphasis: Operations Research / Risk and Resilience

PhD, Rice University, 2017.

Major: Civil Engineering

Supporting Areas of Emphasis: Infrastructure Design and Recovery / Risk and Resilience

MS, Universidad de los Andes, 2012.

Major: Industrial Engineering

Supporting Areas of Emphasis: Operations Research / Network Modeling

BS, Universidad de los Andes, 2009.

Major: Physics

## **Licensures and Certifications**

Six Sigma Black Belt, Arizona State University, 2011.

## **Research Interests**

Developing analytical and computational tools for resilient cyber-physical-social systems under natural and anthropogenic hazards.

Optimizing the design and recovery of systems of interdependent infrastructure networks.

Modeling, optimizing, and controlling the dynamics of networked systems.

Developing decentralized and distributed control and optimization models.

## **Professional Memberships**

Institute of Industrial and Systems Engineers. (2018 - Present).

Productions and Operations Management Society. (2018 - Present).

Institute for Operations Research and the Management Sciences. (2013 - Present).

Mensa. (2008 - Present).

## **Development Activities Attended**

Workshop, "Developing and Implementing Interdisciplinary Research Teams," University of Oklahoma, Norman, OK, United States. (2019).

Workshop, " Using Online Databases to Identify and Prioritize Funding for Research and Creative Activity," University of Oklahoma, Norman, OK, United States. (2019).

Workshop, "Research Mentor Training Workshop," University of Oklahoma, Norman, OK, United States. (2018).

Workshop, "Scientific Writing from the Reader's Perspective," Norman, OK. (2018).

Seminar, "2018 Early Career Series," CRPDE. (2018).

Workshop, "Writing your journal article in 12 weeks," OU Writing Center. (2018).

Seminar, "Department of Defense - Seminar Series," CRPDE (2018).

Seminar, "Department of Energy - Seminar Series," CRPDE. (2018).

Seminar, "NASA - Seminar Series," CRPDE. (2018).

Seminar, "NSF CAREER - Seminar Series," CRPDE. (2018).

Workshop, "Tenure and Promotion." (2018).

"Faculty Brown Bag with Dean Landers," College of Engineering. (2017).

Seminar, "Community Engagement." (2017).

Seminar, "Writing: You and Your Students." (2017).

Workshop, "Small Teaching: Teaching with Case Studies," Center for Teaching Excellence. (2017).

Seminar, "Library Initiatives and Student Engagement." (2017).

Seminar, "Supporting yOUr Scholarship." (2017).

Seminar, "Academic Assessment at OU." (2017).

Seminar, "Mid-Term Student Feedback." (2017).

Seminar, "Teaching and Working with Athletic Students." (2017).

Seminar, "Weather Preparedness, Emergency Preparedness." (2017).

Seminar, "Faculty and Student Concerns and Appeals/IT/Canvas Support." (2017).

## **TEACHING**

### **Teaching Experience**

#### **The University of Oklahoma**

ISE 3980, Honors Research (HONORS), 1 course.  
ISE 4563, Quality & Reliability Engineer, 2 courses.  
ISE 4623, Deterministic Systems Models, 1 course.  
ISE 4970, Analytics Res Cyb Phy Soc Net, 1 course.

ISE 5023, Systems Optimization, 1 course.  
ISE 5563, Quality & Reliability Engineer, 2 courses.  
ISE 5633, Supply Chain Mgt & Transport, 3 courses.  
ISE 5970, Analytics Res Cyb Phy Soc Net, 1 course.  
ISE 5980, Research for Master's Thesis, 4 courses.  
ISE 6980, Research Doctoral Dissertation, 2 courses.  
ISE 6990, Special Studies, 4 courses.

## **Directed Student Learning**

Doctoral Committee Chair. (2018 - Present).  
Advised: Mastoor Abushaega

Doctoral Committee Chair. (2018 - Present).  
Advised: Alireza Rangrazjeddi

Doctoral Committee Co-Chair. (2017 - Present).  
Advised: Nafiseh Ghorbani Renani

Doctoral Committee Member. (2018 - Present).  
Advised: Sai Krishna Theja Bhavaraju

Doctoral Committee Member. (2018 - Present).  
Advised: Yunjie Wen

Doctoral Committee Member, "Adaptative and Restorative Capacity Planning for Complex Infrastructure Networks: Optimization Algorithms and Applications." (2018).  
Advised: Nazanin Morshedlou

Doctoral Committee Member, "Resilience-Based Restoration of Systems of Interdependent Infrastructure Networks: Importance Measures, Optimization, and Solution Approaches." (2017 - 2018).  
Advised: Yasser Almoghathawi

Doctoral Committee Member, "Resilience-based Performance Modeling and Decision Optimization for Transportation Network." (2017).  
Advised: Weili Zhang

Doctoral Committee Member. (2017 - Present).  
Advised: Hamoud S. Bin Obaid

Master's Committee Chair, "Optimal Structure Patterns for Resilient Corporate Networks". (2018 - 2019).  
Advised: Taoufik Zormati

Master's Committee Chair, "Data Envelopment Analysis (DEA) for Academic Departmental Benchmarking." (2018 - 2019).  
Advised: Tasfiq Alam

Master's Committee Member, "Application of multi-agent reinforcement learning to cryptocurrencies' trading." (2018 - 2019).  
Advised: Chyrine Tahri

Master's Committee Member, "Community Vulnerability Perspectives on Infrastructure Network Resilience Decision Making." (2018 - 2019).

Advised: Deniz Karakoc

Master's Committee Member. (2017 - 2018).

Advised: Mustafa Hamad

Undergraduate Honors Research. (2018).

Advised: Lea Morisato

## SCHOLARSHIP, RESEARCH AND CREATIVE ACTIVITIES

### Published Intellectual Contributions

#### Conference Proceedings

Bedoya, C., Gómez, C., González, A. D., Baroud, H. (2018). "Multi-objective societal-layered resilience optimization of interdependent infrastructure networks." Florianópolis, SC.

González, A. D., Sánchez-Silva, M., Dueñas-Osorio, L., Medaglia, A. L. (2018). "Beyond the Interdependent Network Design Problem." <http://cee.nus.edu.sg/ISRERM/index.html>.

Chapman, A., González, A. D., Mesbahi, M., Dueñas-Osorio, L., D'Souza, R. M. (2017). "Data-guided Control: Clustering, Graph Products, and Decentralized Control." Melbourne, Australia, 1--8. <http://cdc2017.ieeecss.org/>.

González, A. D., Dueñas-Osorio, L., Sánchez-Silva, M., Medaglia, A. L., Schaefer, A. J. (2017). "Optimizing the Resilience of Infrastructure Systems under Uncertainty using the Interdependent Network Design Problem." Vienna, Austria, 1--10.

González, A. D., Dueñas-Osorio, L., Medaglia, A. L., Sánchez-Silva, M. (2016). "The time-dependent interdependent network design problem (td-INDP) and the evaluation of multi-system recovery strategies in polynomial time." Shanghai, 544--550.

González, A. D., Dueñas-Osorio, L., Sánchez-Silva, M., Medaglia, A. L. (2015). "The Computational Complexity of Probabilistic Interdependent Network Design Problems." Vancouver, Canada, 1--8 DOI: 10.14288/1.0076118.

González, A. D., Sánchez-Silva, M., Dueñas-Osorio, L., Medaglia, A. (2014). "Mitigation Strategies for Lifeline Systems Based on the Interdependent Network Design Problem." Liverpool, England, *American Society of Civil Engineers (ASCE)*, 762--771 DOI: 10.1061/9780784413609.078.

González, A. D., Dueñas-Osorio, L., Medaglia, A. L., Sánchez-Silva, M. (2014). "Resource allocation for infrastructure networks within the context of disaster management." New York, *CRC Press*, 639--646 DOI: 10.1201/b16387-94.

#### Other (conference presentations, workshops, and reports)

Rangrazjeddi, A., González, A. D., Barker, K. (2019). "A Hybrid Data-driven Game-theoretic Optimization Framework for Resilient Interdependent Infrastructure Networks." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2019*, Seattle, WA.

Ghorbani-Renani, N., Barker, K., González, A. D. (2019). "A Hybrid Algorithm for Tri-level Optimization with Partial Protection and Interdiction." *Annual Meeting of the Institute for*

- Operations Research and the Management Sciences (INFORMS) 2019, Seattle, WA.*
- Gomez, C., Daza, C., Lozano, J. M., Castiblanco, D., González, A. D. (2019). "Modeling Infrastructure Operation Through Public-private-partnerships - An Optimization-based Approach Combining Technical and Institutional Aspects." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2019, Seattle, WA.*
- Abushaega, M. M., González, A. D. (2019). "Optimizing Supply Chain Network Restoration with Fair Distribution." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2019, Seattle, WA.*
- Taoufik, Z., González, A. D., Li, T. (2019). "Network Resilience: How Firms Can Survive Economic Shocks." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2019, Seattle, WA.*
- Cilali, B., Barker, K., González, A. D., Ghorbani-Renani, N. (2019). "Decentralized Decision Making for Interdependent Network and Community Resilience." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2019, Seattle, WA.*
- Morshedlou, N., Barker, K., González, A. D. (2019). "Interdependent Restoration Routing Problem." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2019, Seattle, WA.*
- Barker, K., Karakoc, D., González, A. D. (2019). "Trade-offs Between Vulnerability and Recoverability in Interdependent Infrastructure Networks." *30th European Conference on Operational Research (EURO 2019).*
- Gomez, C. H., González, A. D., Puerto, N., Lozano, J. M. (2019). "Towards a Stochastic Programming Library for Infrastructure Risk Management." *ALIO-INFORMS 2019.*
- Rangrazjeddi, A., González, A. D., Barker, K. (2019). "Applied Game Theory to Enhance Air Traffic Control." *IISE Annual Conference & Expo 2019.*
- Rodriguez, A., Adhikari, B., González, A. D., Nicholson, C., Vullikanti, A., Prakash, B. Aditya. (2019). "Mapping Network States using Connectivity Queries." *IISE Annual Conference & Expo 2019.*
- Abushaega, M. M., González, A. D., Trafalis, T. (2019). "Mitigation of Disruption Impacts on Supply Chain Networks with Fairly Distributed Unmet Demands." *Production and Operations Management Society (POMS) 2019.*
- Morshedlou, N., Barker, K., González, A. D. (2018). "Work Crew Routing Problem for Infrastructure Network Restoration." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2018, Seattle, WA.*
- Ghorbani-Renani, N., Barker, K., González, A. D. (2018). "Tri-level Optimization for Enhancing Interdependent Network Resilience." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2018, Seattle, WA.*
- Morshedlou, N., Barker, K., González, A. D. (2018). "A Heuristic Approach for Integrated Infrastructure Network Restoration Crew Routing Problem." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2018, Seattle, WA.*
- Puerto, N., Gómez, C., González, A. D., Baroud, H. (2018). "Coupled decisions in disaster preparedness and response." *IISE Annual Conference & Expo 2018, Orlando, FL.*

- Karakoc, D., González, A. D., Barker, K. (2018). "Social Vulnerability-Driven Importance Measure for Interdependent Infrastructure Networks." *IISE Annual Conference & Expo 2018*.
- Ghorbani, N., Barker, K., González, A. D. (2018). "Tri-Level Optimization for Enhancing Interdependent Network Resilience." *IISE Annual Conference & Expo 2018*.
- González, A. D., Gómez, C., Baroud, H. (2018). "Interdependent Infrastructure Network Design and Recovery considering Operational and Organizational Constraints." *Production and Operations Management Society (POMS) 2018*, Houston, TX.
- González, A. D., Gómez, C., Baroud, H. (2018). "Modeling organizational resilience in interdependent infrastructure systems." *International Conference on Infrastructure Resilience - ETH*, Zurich:  
[http://conference.resiliencesystems.sg/modules/request.php?module=oc\\_program&action=summary.php&id=116](http://conference.resiliencesystems.sg/modules/request.php?module=oc_program&action=summary.php&id=116).
- González, A. D. (2017). *Resilience Optimization of Systems of Interdependent Networks*. Rice University / Universidad de los Andes.
- Gómez, C., González, A. D., Baroud, H. (2017). "Optimizing Interdependent Infrastructure Resilience under the Dynamics of Individuals and Organizations." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2017*, Houston, TX.
- González, A. D., Dueñas-Osorio, L., Medaglia, A. L., Sánchez-Silva, M., Schaefer, A. (2017). "Optimizing the Resilience of Interdependent Infrastructure Networks under Pre-and Post-event Uncertainty." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2017*, Houston, TX.
- González, A. D., Dueñas-Osorio, L., Medaglia, A. L., Sánchez-Silva, M. (2016). "Efficient Resilience Optimization of System of Interdependent Networks." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2016*, Philadelphia, PA.
- González, A. D., Dueñas-Osorio, L., Medaglia, A. L., Sánchez-Silva, M. (2016). "The Stochastic Interdependent Network Design Problem." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2016*, Nashville, TN.
- González, A. D., Dueñas-Osorio, L., Medaglia, A. L., Sánchez-Silva, M. (2016). "A hybrid algorithm to solve the time-dependent Interdependent Network Design Problem." *Probabilistic Mechanics & Reliability Conference (PMC) 2016*, USA: Nashville, TN.
- González, A. D., Medaglia, A. L., Sánchez-Silva, M., Dueñas-Osorio, L. (2015). "Recovery Dynamics based on the simultaneous use of System Identification and the Interdependent Network Design Problem." *Workshop on Information Engines / Control of Interdependent Networks*, Santa Fe, NM.
- González, A. D., Dueñas-Osorio, L., Medaglia, A. L., Sánchez-Silva, M. (2015). "Resilience Optimization as an Interdependent Network Design Problem." *MPE 2013+ Workshop on Natural Disasters, from the Center for Discrete Mathematics & Theoretical Computer Science (DIMACS)*.
- González, A. D., Dueñas-Osorio, L., Medaglia, A. L., Sánchez-Silva, M. (2014). "Enhanced component ranking based on the Interdependent Network Design Problem." *Network Science (NetSci) Conference 2014*, Berkeley, CA.

- González, A. D., Dueñas-Osorio, L., Sánchez-Silva, M., Medaglia, A. L. (2014). "Improving the Computational Efficiency of the Interdependent Network Design Problem MIP Model." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2014*, San Francisco, CA.
- González, A. D., Medaglia, A. L., Dueñas-Osorio, L., Sánchez-Silva, M. (2013). "The effect of surrogate networks on the Interdependent Network Design Problem." *Annual Meeting of the Institute for Operations Research and the Management Sciences (INFORMS) 2013*, Minneapolis, MN.
- González, A. D. (2011). *Problema de diseño de rutas para un sistema de buses de tránsito rápido mediante una aproximación heurística (Heuristic approach to the Bus Rapid Transit Route Design Problem)*, Bogotá, D.C.: Universidad de los Andes.
- González, A. D. (2010). *Aproximación econofísica al modelamiento de mercados financieros (Econophysics approach to the modeling of financial markets)*, Bogotá, D.C.: Universidad de los Andes.
- González, A. D. (2008). *Una aproximación matemática a la proliferación de enfermedades infecciosas (A mathematical approach to the proliferation of infectious diseases)*, Bogotá, D.C.: Universidad de los Andes.

#### Refereed Journal Articles

- Gomez, C., González, A. D., Baroud, H., Bedoya-Motta, C. D. (2019) "Integrating Operational and Organizational Aspects in Interdependent Infrastructure Network Recovery." *Risk Analysis*, Vol. 39, No. 9, 1913--1929 DOI: 10.1111/risa.13340
- Smith, A. M., Pósfai, M., Rohden, M., González, A. D., Dueñas-Osorio, L., & D'Souza, R. M. (2019). Competitive percolation strategies for network recovery. *Scientific Reports*, Vol. 9, No. 1, 11843. DOI: 10.1038/s41598-019-48036-0
- Karakoc, D., Almoghathawi, Y., Barker, K., González, A. D., Mohebbi, S. (2019). "Community Resilience-Driven Restoration Model for Interdependent Infrastructure Networks." *International Journal of Disaster Risk Reduction*. Vol 38 (July), 101228. DOI:10.1016/j.ijdr.2019.101228
- Morshedlou, N., González, A. D., Barker, K. (2018). "Work Crew Routing Problem for Infrastructure Network Restoration." *Transportation Research Part B*, Vol. 118, 66--89, DOI: 10.1016/j.trb.2018.10.001.
- Abolghasem, S., Gómez-Sarmiento, J., Medaglia, A. L., Sarmiento, O. L., González, A. D., Díaz del Castillo, A., Roza-Casas, J. F., Jacoby, E. (2018). "A DEA-centric decision support system for evaluating Ciclovía-Recreativa programs in the Americas." *Socio-Economic Planning Sciences*, Vol. 61, 90--101, DOI: 10.1016/j.seps.2017.03.005.
- González, A. D., Chapman, A., Dueñas-Osorio, L., Mesbahi, M., D'Souza, R. M. (2017). "Efficient Infrastructure Restoration Strategies Using the Recovery Operator." *Computer-Aided Civil and Infrastructure Engineering*, Vol. 32, No. 12, 991--1006, DOI: 10.1111/mice.12314. <http://doi.wiley.com/10.1111/mice.12314>.
- Smith, A. M., González, A. D., Dueñas-Osorio, L., D'Souza, R. M. (2017). "Interdependent Network Recovery Games." *Risk Analysis*, DOI: 10.1111/risa.12923. <http://doi.wiley.com/10.1111/risa.12923>.

González, A. D., Dueñas-Osorio, L., Sánchez-Silva, M., Medaglia, A. L. (2016). "The Interdependent Network Design Problem for Optimal Infrastructure System Restoration." *Computer-Aided Civil and Infrastructure Engineering*, Vol. 31, No. 5, 334--350, DOI: 10.1111/mice.12171. <http://doi.wiley.com/10.1111/mice.12171>.

## Intellectual Contributions in Review

### Refereed Journal Articles

Abushaega, M. M., González, A. D., Trafalis, T. "Disaster Management and Mitigation on Supply Chain Networks using Fair Distribution." *Production and Operations Management*.

Rangrazjeddi, A., González, A. D., Barker, K. "Applied Game Theory to Enhance Air Traffic Control in 3D Airspace." *Transportation Research Part F*.

Ghorbani-Renani, N., Barker, K., González, A. D. "Hybrid Algorithms for Tri-level Optimization with Total or Partial Protection and Interdiction." *Computers and Operations Research*.

Ghorbani, N., González, A. D., Barker, K., Morshedlou, N. "Protection-Interdiction-Restoration: Tri-Level Optimization for Interdependent Network Resilience." *Reliability Engineering and System Safety*.

Morshedlou, N., Barker, K., González, A. D. "A Heuristic Approach for the Integrated Work Crew Routing Problem for Infrastructure Network Restoration." *Computers and Operations Research*.

Tasfiq, A., González, A. D., Trafalis, T. "Evaluating Soccer players' performance using Data Envelopment Analysis (DEA)." *Athens Journal of Sports*.

Almoghatwani, Y., Barker, K., González, A. D. "Exploring Recovery Strategies for Optimal Interdependent Infrastructure Network Resilience." *Networks and Spatial Economics*.

## Media Contributions

### Internet

Web note on Wilson Tang Best Paper Award (2016).

## Contracts, Grants and Sponsored Research

### *Grants and Sponsored Research (Office of Research Services)*

#### **Proposals (funded and in review – only OU Co-Principal Investigators referenced)**

Nicholson, C. (Principal Investigator), González, A. D. (Co-Principal Investigator), Cerato, A. (Co-Principal Investigator), "Center for Risk-Based Community Resilience Planning," Sponsored by National Institute of Science and Technology – Colorado State University, Federal. (February 1, 2015 – January 31, 2020). (funded) USD 1'346.402 (González, A.D. funded period: February 1, 2019 – January 31, 2020).

Barker, K. (Principal Investigator), González, A. D. (Co-Principal Investigator), "Material Risk," Sponsored by Honeywell Federal Manufacturing & Technologies, LLC - Kansas City Plant, Industry. (funded) USD \$99,136 (January 1, 2020 - August 31, 2020).

González, A. D. (Principal Investigator), "CNH2-L: Understanding Dynamic Interactions in Urban



Areas Under Natural and Anthropogenic Hazards: A Network-Based Approach for Environmental, Social, and Infrastructure Systems," Sponsored by National Institute of Science and Technology – Vanderbilt University. (May 1, 2020 - April 30, 2024). (in review)

Nicholson, C. (Principal Investigator), González, A. D. (Co-Principal Investigator), "Center for Risk-Based Community Resilience Planning," Sponsored by National Institute of Science and Technology – Colorado State University, Federal. (February 1, 2020 – January 31, 2025). (in review)

Barker, K. (Principal Investigator), González, A. D. (Co-Principal Investigator), Radhakrishnan, S. (Co-Principal Investigator), " Smart Time-Critical Disaster Management: Integrated Socio-Technical Models for UAV Assessment, Work Crew Routing, and Emergency Response," National Science Foundation, Federal. (April 1, 2020 - March 31, 2023). (in review)

## **Awards and Honors**

2019 Outstanding Faculty Member of the Year - The University of Oklahoma, Latinx Coalition (2019).

1st Place - Capstone project, The University of Oklahoma, School of Industrial and Systems Engineering. (2019).

Wilson Tang Best Paper Award, Asian-Pacific Symposium on Structural Reliability and its Applications (APSSRA). (2016).

1st place – University Olympiad – Soccer - Universidad de los Andes (2010)

Top 9 National score – Industrial Engineering ECAES (National standardized professional examination) (2009)

Student Council Representative – Universidad de los Andes, College of Engineering (2008 – 2009)

Student Council Representative – Universidad de los Andes, Department of Physics (2007 – 2008)

Alberto Magno Scholarship – Universidad de los Andes (2004)

National finalist – Undergraduate National Mathematics Olympiad (2004)

Top 5 Ibero-America score and honorific mention – Undergraduate Ibero-American Mathematics Olympiad (2004)

National finalist – High School National Chemistry Olympiad (2003)

1st place High School score - ICFES (National standardized high school examination) - Augustinian School of Saint Nicholas (2003)

National Finalist – Middle School National Mathematics Olympiad (2000).

## **Research and Creative Activities**

"Special Studies (Ph.D. level research course) on Network Flows" (2019)

Collaborators: González, A. D., Nicholson, C., Mohebbi, S., Trafalis, T.

## **SERVICE**

### **Department Service**

Committee Member, OR Committee, School of Industrial and Systems Engineering. (2018 - Present).

Committee Member, Undergraduate Studies, School of Industrial and Systems Engineering. (2019 - Present).

### **University Service**

Faculty Mentor, COLSA (Colombian Student Association). (2018 - 2019).

Faculty Advisor, COLSA (Colombian Student Association). (2019 - Present).

### **Professional Service**

Reviewer, Journal Articles, Computers & Operations Research. (2019 - Present).

Reviewer, Journal Articles, Journal of Infrastructure Systems. (2018 - Present).

Reviewer, Journal Articles, IISE Transactions. (2017 - Present).

Reviewer, Journal Articles, Reliability Engineering & System Safety. (2017 - Present).

Reviewer, Journal Articles, Risk Analysis. (2017 - Present).

Reviewer, Journal Articles, Sustainable & Resilient Infrastructure. (2019 - Present).

Reviewer, Journal Articles, Sustainability. (2019 - Present).

Reviewer, Journal Articles, Symmetry. (2019 - Present).

Reviewer, Conference Papers, American Control Conference. (2018).

Reviewer, Conference Papers, IISE Annual Meeting. (2018).

Session Chair, ALIO-INFORMS Annual Meeting, Cancún, México. (2019).

Session Chair, INFORMS Annual Meeting, Phoenix, AZ. (2018 - 2019).

Session Chair, IISE Annual Meeting, Orlando, FL. (2018 - 2019).