CURRICULUM VITAE

Zheng Chen

Assistant Professor
Department of Electrical Engineering and Computer Science
Wichita State University
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Professional Preparation:

- University of Virginia, Mechanical & Aerospace Engineering, Postdoc, 2009-2012
- Michigan State University, Electrical Engineering, Ph.D., 2009
- Zhejiang University, China, Control Science and Engineering, M.E., 2002
- Zhejiang University, China, Electrical Engineering, B.E., 1999

Appointments:

- 2017 – Present, **Assistant Professor**, Department of Mechanical Engineering, University of Houston, Houston, Texas
- 2013 – 2017, **Assistant Professor,** Department of Electrical Engineering and Computer Science, Wichita State University, Wichita, Kansas
- 2012 – 2013, **Research & Development Engineer**, Pressure Pumping Equipment R&D Department, Baker Hughes, Houston, Texas
- 2009 – 2012, **Research Associate,** Department of Mechanical &Aerospace Engineering, University of Virginia, Charlottesville, Virginia

Teaching Experience:

- Fall, 2013, 2014, 2015, 2016: EE 792 Linear Systems
- Spring, 2015, 2017: EE 893 Optimal Control
- Spring, 2013 and Fall 2015, 2016: EE 877T Intro to Smart Material Sensors and Actuators
- Spring, 2016, 2017: EE 684 Introductory Control System Concepts

Research Grants:

1. PI, "CAREER: Artificial Muscle Based on Dielectric Elastomers for Dexterous and Compliant Prostheses", NSF CAREER Award, $500,000, May 1, 2017- April 30, 2022
2. PI, "Investigating the Dielectric Elastomer Artificial Muscle for Exoskeleton Application", Multidisciplineary Research Project Award, Wichita State University, Jan 1, 2017-May 30, 2017, $7,500 (Co-PI: Yimesker Yihun, Dr. Chen's share: 60%)
3. PI, “Solar Energy Storage Using Ionic Polymer-Metal Composite Enhanced Water Electrolysis for Hydrogen Production”, Kansas NSF EPSCoR First Award, Jan 2016-Sep 2017, $80,802.
4. Co-PI, “CPS: Synergy: Collaborative Research: Towards Effective and Efficient Sensing-Motion Co-Design of Swarming Cyber-Physical Systems”, National Science Foundation, 01/01/2015-12/31/2017, $542,809, (PI: Pu Wang; Other Co-PI: Animesh Chakravarthy; Dr. Chen’s share $186,795)
5. PI, “Auto-Tuning PID Control for Blender Automation System”, Baker Hughes, $90,398, July 1, 2014-September 1, 2017.
6. PI, “Towards 3D Maneuverable Robotic Fish Powered by Artificial Muscles”, University Research/Creative Projects Award (URCA), Wichita State University, $4500, Dec. 1 2014-Dec. 31, 2015

7. PI, “A Novel Solar Energy Storage System Using Ionic Polymer-Metal Composite Enhanced Water Electrolysis for Hydrogen Production”, Award for Research/Creative Projects (ARC) at Wichita State University, $4,000, May 1 2014- August 31, 2014.

Publication:

- **Book Chapters**
  1. **Z. Chen**, T. Um, H. Bart-Smith, “Ionic Polymer-Metal Composite Artificial Muscles in Bio-inspired Engineering Research: Underwater Propulsion”, In Book: *Smart Actuation and Sensing Systems - Recent Advances and Future Challenges*, Chapter 10, pp. 223-248, InTech Open，2012.
  2. **Z. Chen,** H. Bart-Smith, and X. Tan, "IPMC-Actuated Robotic Fish", In Book Robot Fish: Bio-inspired Fishlike Underwater Robots, Chapter 8, pp. 219-254, Springer, 2015
  3. K. Kim, V. Palmre, D. Pugal, T. Stalbaum, **Z. Chen**, X. Tan, and M. Yamakita, “IPMCs as EAPs: Models”, In Book EAP Reference Book: Introduction to transducers and artificial muscles based on Electromechanically Active Polymers, Chapter 10, Edited by Federico Carpi, Springer International Publishing AG, pp. 1-20, 2016.

- **Journal Papers**
  1. Z. Ye, P. Hou, and **Z. Chen**, "2D Maneuverable Robotic Fish Propelled by Multiple Ionic Polymer-Metal Composite Artificial Fins", *International Journal of Intelligent Robotics and Applications*, Special Issue on Soft Robotics, Vol. 1, No. 2, pp. 195-208, 2017
  2. A. Abbaspour, A. Khalilnejad, and **Z. Chen**, "Robust Adaptive Neural Network Control for PEM Fuel Cell", *International Journal of Hydrogen Energy*, Vol. 41, No. 44, pp 20385-20395, Oct, 2016
  3. **Z. Chen**, B. Naizer, and Y. Kang, "Proppant Conveyer Automation System with Cascade Control in Hydraulic Fracturing" *SPE Production & Operations*, July, 2016 doi:10.2118/181762-PA
  4. T. Nagpure and **Z. Chen**, “Control-Oriented Modeling of Ionic Polymer-Metal Composite Enabled Hydrogen Gas Production”, *International Journal of Hydrogen Energy*, Vol. 41, No. 16, pp 6619-6629, 2016
  5. A. Hunt, **Z. Chen**, X. Tan, M. Kruusmaa, "An Integrated Electroactive Polymer Sensor-actuator: Design, Model-based control, and Performance Characterization", *Smart Materials and Structures*, vol. 25, pp 035016(16pp), 2016
  6. **Z. Chen**, T. Um, and H. Bart-Smith, "Bio-inspired Robotic Manta Ray Powered by Ionic Polymer-Metal Composite Artificial Muscles", *International Journal of Smart and Nano Materials*, Vol. 3, No. 4, pp. 296-308, 2012
  7. **Z. Chen**, T. Um, and H. Bart-Smith, “A Novel Fabrication of Ionic Polymer-Metal Composite Capable of 3-Dimensional Kinematic Motions”, *Sensors and Actuators A: Physical*, Vol. 168, No. 1, pp 131-139, 2011
  8. **Z. Chen** and X. Tan, “Monolithic Fabrication of Ionic Polymer Metal Composite Actuators for Complex Deformation”, *Sensors and Actuators A: Physical*, Vol. 157, No. 2, pp 246-257, 2010
  9. **Z. Chen**, S. Shatara, and X. Tan, “Modeling of Biomimetic Robotic Fish Propelled by an Ionic Polymer-Metal Composite Actuator”, *IEEE/ASME Transactions on Mechatronics*, Vol. 15, No, 3, pp 448-459, 2010
  10. **Z. Chen**, D. R. Hedgepeth, X. Tan, “A Nonlinear Control-Oriented Model for Ionic Polymer-Metal Composite Actuators”, *Smart Materials and Structures*, Vol. 18, No. 5, pp1-9, 2009
  11. **Z. Chen**, and X. Tan, “A Control-oriented, Physics-based Model for Ionic Polymer-Metal Composite Actuators”, *IEEE/ASME Trans on Mechatronics*, Vol. 13, No. 5, pp 519-529, 2008
  12. **Z. Chen,** K. Y. Kwon, and X. Tan, “Integrated IPMC/PVDF Sensory Actuator and Its Application to Feedback Control”, *Sensors and Actuators A: Physical*, Vol. 144, No. 2, pp

231-241, 2008

13. **Z. Chen**, X. Tan, A. Will, and C. Ziel, "A Dynamic Model for Ionic Polymer-Metal Composite Sensors", *Smart Materials and Structures*, Vol. 16, No. 4, pp. 1477-1488, 2007.
14. **Z. Chen**, Y. Shen, N. Xi, X. Tan, "Integrated sensing for ionic polymer–metal composite actuators using PVDF thin films", **(Invited paper** for special issue on Electroactive Polymer Materials),*Smart Materials and Structures*, Vol. 16, No. 2, pp. S262-S271,2007
15. **Z. Chen**, S. Jagannathan, "Generalized Hamilton-Jacobi-Bellman Formulation based Neural Network Control of Affine Nonlinear Discrete-Time Systems", *IEEE Trans on Neural Networks*, Vol.19 No. 1, pp 90-106, 2008

- **Conference Papers and Presentations:**

1. Vishwamithra Reddy Sunkara, Zhihang Ye, Animesh Chakravarthy, and **Z. Chen**, "Collision Avoidance by IPMC Actuated Robotic Fish using the Collision Cone Approach", *Proc. Of the IEEE International Conference on Simulation, Modeling, and Programming for Autonomous Robots*, San Francisco, CA, 2016, to appear
2. P. Hou, Z. Ye, and **Z. Chen**, "Bio-Inspired Robotic Fish Propelled by Multiple Artificial Fins", *Proc. of the ASME Dynamic Systems and Control Conference*, Minneapolis, MN, DSCC2016-9848 pp. 1-6, 2016
3. **Z. Chen**, L. Cargill, and B, Naizer, "Auto Tuning Tub Level Control for Blender Automation System in Hydraulic Fracturing", *Proc. of ASME Dynamics System and Control Conference*, Minneapolis, DSCC2016-9915, 2016
4. Z. Ye, Z. Chen, K.W. Kong, and H. Chan "Robust Control of Dielectric Elastomer Diaphragm Actuator for Replicating Human Pulse", *Proc. Of the IEEE Conference on Automation Science and Engineering*, Dallas, pp. 188-193, 2016
5. T. Yang and **Z. Chen**, "Development of 2D Maneuverable Robotic Fish Propelled By Multiple Ionic Polymer-Metal Composite Artificial Fins" *Proc. Of the 2015 IEEE Conference on Robotics and Biomimetics*, Zhuhai, China, pp. 256-260, 2015
6. T. Nagpure and **Z. Chen**, "Modeling of Ionic Polymer-Metal Composite Enabled Hydrogen Gas Production", *Proc. of the ASME 2015 Dynamic Systems and Control Conference*, Columbus, Ohio, Paper Number: DSCC2015-9922, pp. 1-8, 2015
7. **Z. Chen** and B. Naizer, "A Cascade Control for Sander Automation System", *Proc. of the IEEE International Conference on Automation Science and Engineering*, Gothenburg, Sweden, pp. 894-899, 2015
8. **Z. Chen**, "Bio-inspired Underwater Robot Enabled by Ionic Polymer-Metal Composite Artificial Muscle", *Proc. of the 2015 International Conference on Real-time Computing and Robotics*, pp. A2-1:1-10, 2015
9. **Z. Chen** and B. Naizer, "Active Disturbance Rejection Control for Sander Automation System", The ASME Hydraulic Fracturing Conference, paper number: HydraFrac2015-3873, Houston, TX, 2015
10. S. S. Faisal, Z. Ye, **Z. Chen**, and R. Asmatulu, "Electrical Properties of Nanoscale Metallic Thin Film Coatings on Dielectric Elastomer", *Proc. of the SPIE Conference on Electroactive Polymer Actuator and Device*, Vol. 9430, pp. 943031:1-7, 2015
11. Z. Ye, S. S. Faisal, R. Asmatulu, and **Z. Chen**, "Bio-inspired Artificial Muscle Structure for Integrated Sensing and Actuation", *Proc. Of the SPIE Conference on Electroactive Polymer Actuator and Device*, Vol. 9430, pp. 943024:1-10, 2015
12. Z. Ye, S. S. Faisal, R. Asmatulu, and **Z. Chen**, "Artificial Muscles of Dielectric Elastomers Attached to Artificial Tendons of Functionalized Carbon Fibers", *Proc. of the SPIE Conference on Electroactive Polymer Actuator and Device*, Vol. 9056, pp. 905616-1:9, 2014
13. Md S. Seraz, R. Asmatulu, **Z. Chen**, M. Ceylan, A. Mahapatro, and S.Y. Yang, "Antibacterial Polyelectrolyte-Coated Mg Alloys for Biomedical Applications", *Proc. of the SPIE Conference on Nanosensors, Biosensors, and Info-Tech Sensors and Systems*, Vol. 9060, pp 90600J:1-10, 2014
14. **Z. Chen**, "Bio-inspired Underwater Robots Powered by Electroactive Polymer Artificial Muscles," Kansas Unmanned Systems Conference, Manhattan, KS, October 14-16, 2013
15. **Z. Chen**, T. Um, and H. Bart-Smith, "Modeling and Control of Artificial Bladder Enabled by Ionic Polymer-Metal Composite", *Proc. of the 2012 American Control Conference*, pp 3340-3345, 2012

16. **Z. Chen**, T. Um, J. Zhu, and H. Bart-Smith, "Bio-inspired Robotic Cownose Ray Propelled by Electroactive Polymer Pectoral Fin", *Proc. of ASME 2011 International Mechanical Engineering Congress & Exposition*, pp 64174:1-8, 2011
17. **Z. Chen**, T. Um, and H. Bart-Smith, "Ionic Polymer-Metal Composite Enable Robotic Manta Ray", *Proc. of the SPIE Conference on Electroactive Polymer Actuators and Devices (EPAD),* Vol. 7976, pp. 797637X, 2011
18. T. Um, **Z. Chen**, and H. Bart-Smith, "A Novel Electroactive Polymer Depth Control Device for Bio-inspired Underwater Vehicles", *Proc. of the IEEE International Conference on Robotics and Automation*, pp 172-177, 2011
19. A. Hunt, **Z. Chen**, X. Tan, and M. Kruusmmaa, "Control of an Inverted Pendulum Using an Ionic Polymer-Metal Composite Actuator", *Proc. of the IEEE/ASME International Conference on Advanced Intelligent Mechatronics*, pp. 163-168, Montreal, Canada, 2010
20. **Z. Chen** and X. Tan, "MEMS-based Fabrication of Multiple-Degree-of-Freedom Ionic Polymer-Metal Composite Actuators", *Proc. of SPIE conference on Electroactive Polymer Actuators and Devices (EPAD),* Vol. 7642, pp. 76420X, 2010
21. A. Hunt, **Z. Chen**, X. Tan, and M. Kruusmaa, "Feedback Control of a Coupled IPMC (Ionic Polymer Metal Composite) Sensor-actuator", *Proc. of the ASME Dynamic System and Control Conference*, Hollywood CA, Paper DSCC2009-2612, 2009
22. **Z. Chen** and X. Tan "Model-based Nonlinear Control of Ionic Polymer-Metal Composite Actuators", *Proc. of the ASME Dynamic System and Control Conference,* Hollywood CA, Paper DSCC2009-2700, 2009
23. M. Anton, **Z. Chen**, M. Kruusmaa and X. Tan, "Analytical and Computational Modeling of Robotic Fish Propelled by Soft Actuation Material-based Active Joints", Proceedings of the 2009 IEEE/RSJ International Conference on Intelligent Robots and Systems, St. Louis, MO, pp. 2126-2131, 2009
24. **Z. Chen**, D. Hedgepeth, and X. Tan, "Nonlinear Capacitance of Ionic Polymer-Metal Composite", Yoseph Bar-Cohen; Thomas Wallmersperger, Editors, Electroactive Polymer Actuators and Devices, *Proc. of the SPIE,* Vol. 7287, pp. 728715, 2009
25. **Z. Chen**, S. Shatara, and X. Tan, "Modeling of Robotic Fish Propelled by an Ionic Polymer-Metal Composite Caudal Fin", Yoseph Bar-Cohen; Thomas Wallmersperger, Editors, Electroactive Polymer Actuators and Devices, *Proc. of the SPIE*, Vol. 7287, pp 72871M, 2009
26. **Z. Chen**, D. R. Hedgepeth, X. Tan, "A Nonlinear Control-Oriented Model for Ionic Polymer-Metal Composite Actuators", *Proc. of the 47th IEEE Conference on Decision and Control*, Vol., pp 1851-1856, 2008
27. E. Mbemmo, **Z. Chen**, S. Shatara, and X. Tan, "Modeling of Biomimetic Robotic Fish Propelled by An Ionic Polymer-Metal Composite Actuator", *Proc. of the IEEE International Conference on Robotics and Automation*, Pasadena, California, pp. 689-694, 2008
28. **Z. Chen**, K. Yong and X. Tan, "Design of Integrated IPMC/PVDF Sensory Actuator and Its Application to Feedback Control",**(Invited)**, M. Tomizuka, editor, *Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems, Proc. of the SPIE*, Vol. 6932, pp. 68321O, 2008
29. **Z. Chen**, X. Tan, "A Scalable Dynamic Model for Ionic Polymer-Metal Composite Actuators", Y. Bar-Cohen, editor, *Electroactive Polymer Actuators and Devices (EAPAD) X, Proc. of the SPIE*, Vol. 6927, pp. 69270I, 2008
30. **Z. Chen**, and X. Tan, "A Control-oriented, Physics-based Model for Ionic Polymer-Metal Composite Actuators", *Proc. of the 46th IEEE Conference on Decision and Control*, New Orland, pp. 590-595, 2007
31. **Z. Chen**, Y. Shen, J. Malinak, N. Xi, X. Tan, "Hybrid IPMC/PVDF Structure for Simultaneous Actuation and Sensing," in Y. Bar-Cohen, editor, *Smart Structures and Materials 2006: Electroactive Polymer Actuators and Devices (EAPAD), Proceedings of SPIE*, San Diego, CA, Vol. 6168, 2006
32. **Z. Chen**, X. Tan, M. Shahinpoor, "Quasi-static Positioning of Ionic Polymer-Metal Composite (IPMC) Actuators", *Proc. of the IEEE/ASME International Conference on Advanced Intelligent Mechatronics*, Monterey, CA, pp. 60-65, 2005
33. **Z. Chen**, S. Jagannathan, "Neural Network Based Nearly Optimal Hamilton-Jacobi-Bellman Solution for Affine Nonlinear Discrete-Time Systems", *Proc. of the 44th IEEE Conference on Decision and Control and European Control Conference*, Seville, Spain, pp. 4123 – 4128, Dec. 2005
34. P. He, **Z. Chen**, S. Jagannathan, "Neural Network based Control of Nonlinear Discrete-Time Systems in Non-Strict Form", *Proc. of the 44th IEEE Conference on Decision and Control*

and European Control Conference, Seville, Spain, pp.2580 – 2585, 2005

35. J. Chen, **Z. Chen**, "Two-step Method for Gross Error Detection in Process Data", Proc. of the American Control Conference, Arlington, VA, pp. 2121-2126, 2001.

Full Hour Invited Talks

1. "Electroactive Polymers As Artificial Muscles and Sensors: A Control Systems Perspective", Department of Electrical & Computer Engineering, National University of Singapore, July, 2008, (Host: Dr. Yung C. Liang).
2. "Ionic Polymer-Metal Composite Artificial Muscles and Sensors: A Control Systems Perspective", Department of Mechanical & Aerospace Engineering, University of Virginia, May, 2009, (Host: Dr. Hilary Bart-Smith).
3. "Ionic Polymer-Metal Composite Artificial Muscles and Sensors: A Control Systems Perspective", Department of Mechanical Engineering, University of Texas Dallas, April, 2010, (Host: Dr. Mario Rotea)
4. "Electroactive Polymer Artificial Muscles and Sensors: A Systems Perspective", Department of Mechanical & Aerospace Engineering, Ohio State University, Feb, 2011, (Host: Dr. Marcelo Dapino)
5. "Electroactive Polymer Artificial Muscles: A Systems Perspective", Department of Engineering Technology, Old Dominion University, Nov. 2011, (Host: Dr. Cheng Lin)
6. "Electroactive Polymer Artificial Muscles: A Systems Perspective", Department of Electrical Engineering and Computer Science, Wichita State University, Feb. 2013, (Host: Dr. Animesh Chakravarthy)
7. "Electroactive Polymer Artificial Muscles: A Systems Perspective", Department of Mechanical Engineering, University of Hong Kong, March, 2013, (Host: Dr. Yuguo Li)
8. "Bio-inspired Underwater Robots Powered by Electroactive Polymer Artificial Muscles", Department of Electrical Engineering and Computer Science, Wichita State University, Nov. 2013, (Host: Dr. Sawan)
9. "Bio-inspired Underwater Robots Powered by Electroactive Polymer Artificial Muscles", Math Department Seminar, Wichita State University, Nov. 13, 2015, (Host: Dr. Mark Walsh)

Patents:

1. X. Tan, N. Xi, **Z. Chen**, and Y. Shen, "Integrated Actuator-Sensor Structure", *US Patent*, (Issued Num: US 7,982,375 B2), Issued on July 19, 2011
2. J. Zhu, H. Bart-Smith, and **Z. Chen**, "A Gas Flow Sensor and Method for Microfabrication of the Same", submitted to US patent office, 2012
3. D. Scott, M. Ragosta, **Z. Chen**, G. T. Gillies, "Stiffness Controllable Devices for Use in Minimally Invasive Interventional and Surgical Procedures", submitted to US patent office, 2012
4. B. Naizer, J. Jordan, P. Thomson, **Z. Chen**, "Apparatus and Methods for Measuring and/or Adjusting the Height of Material in the Bin of a Hopper Assembly", US patent, pending, 2013
5. **Z. Chen**, K Cluff, R Asmatulu, J. Patterson, and H. Farhoud, **"**System and Method for implantable Electroactive Polymer Heart Assistive Mesh", US patent, pending, 2016

Awards and Honors:

1. **CAREER Award**, National Science Foundation, 2017

2. **First Award**, Kansas NSF EPSCoR, 2015
3. **Finalist, Best Conference Paper Award,** International Conference on Real-time Computing and Robotics, 2015
4. **University Research/Creative Projects Award (URCA), Wichita State University,** 2015
5. **Award for Research/Creative Projects,** Wichita State University**,** 2014
6. **Best reviewer award,** Sensors and Actuators A: Physical, 2009
7. **Honorable Mention, Fitch Beach Outstanding Graduate Research Award,** College of Engineering, Michigan State University, 2008
8. **Dissertation Completion Fellowship (2009), Summer Support Fellowship (2008), Summer Dissertation Fellowship (2006), Klomparens Fellowship (2006), Graduate School at Michigan State University**
9. **Student Travel Awards, IEEE Conference on Decision and Control (CDC 2007, 2008), SPIE International Annual Symposium on Smart Material Structure 2008, IEEE Conference on Robotics & Automation (ICRA 2008)**
10. **Excellent Graduate of Zhejiang Province**, Education Department of Zhejiang Province, 1999
11. **Undergraduate scholarships,** Zhejiang University: Third class prize (1995), First class prize (1996), Second class prize (1997, 1998), Kuang-Hua (Guanghua) Scholarship (1998), Sai-ba Scholarship (1998)
12. **Second class prize in Hunan Province**, National Olympiad Physics Competition for High School Students, China, 1994

Professional Service and Membership

- **Professional membership:** Member of IEEE, SPIE, and ASME
- **Guest Editor**
  1. Journal of Robotics and Biomimetics
- **Reviewer for archival journals:**
  1. IEEE Transactions on Neural Networks
  2. Smart Materials and Structures
  3. IEEE/ASME Transactions on Mechatronics
  4. Scripta Materialia
  5. Sensors and Actuators A: Physical
  6. Sensors and Actuators B: Chemical
  7. Automatica
  8. IEEE Transactions on Robotics
  9. Recent Patents on Materials Science
  10. Measurement Science and Technology
  11. International Journal of Smart and Nano Materials
  12. Robotics and Autonomous Systems
  13. Marine Technology Society Journal
  14. IEEE Transactions on Education
  15. Journal of Intelligent Material Systems and Structures
- **Reviewer for conferences:**
  1. IEEE International Symposium on Intelligent Control, (ISIC 2007)

2. IFAC World Congress, (2008)
3. Annual Conference of IEEE Industrial Electronics Society, (IECON 2006, 2007)
4. IEEE International Symposium on Industrial Electronics, (ISIE 2007)
5. International Symposium on Neural Networks, (ISNN 2007)
6. European Control Conference (ECC 2007)
7. IEEE Asia Pacific Conference on Circuits and Systems (APCCAS 2008)
8. IEEE Conference on Decision and Control (CDC 2008, 2009)
9. IEEE Conference on Robotics and Automation (ICRA 2009-2012)
10. IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2009)
11. IEEE International Conference on Robotics and Biomimetics (ROBIO 2008)
12. American Control Conference (ACC2010, ACC2012)

- **Conference session chair/co-chair:**
  1. SPIE International Symposium on Smart Structures and Materials: Electroactive Polymer Actuators and Devices XI, San Diego, CA, (2009, Conference 7287, Session 12)
  2. 2nd ASME Dynamic System and Control Conference (DSCC), Hollywood, CA, (2009, Session MoBT4)
- **Conference program committees:**
  1. IEEE Multi-Conference on Systems and Control (2011, 2012)
  2. IEEE International Conference on Automation Science and Engineering (2014, 2015)
- **Departmental Strategy Committee** (2013-2015)
- **Faculty Search Committee:**
  1. Computer Engineering Educator Search Committee
  2. Computer Engineering Tenure-Tracking Faculty Search Committee
- **BREG Oil & Gas Cluster Committee** (2105)
- **NSF Panelist, 2016**

Advising:

- PhD student advisees:
  1. Zhihang Ye
  2. Suliman Alhamidi
- MS student advisees:
  1. Tushar Chintaman Nagpure
  2. Tianxu Yang
  3. Piqi Hou
  4. Divyavani Duddu
  5. Yuzhe Wu
  6. Sandeep Reddy Chitti
- Member of dissertation/thesis committees:
  1. Tania Jareen, (Advisor: Abu Asaduzzaman), 2014
  2. Deepthi Gummadi, (Advisor: Abu Asaduzzaman), 2014
  3. Wijaya Lakshmi, (Advisor: Pu Wang), 2015
  4. Prabhu Janakaraj, (Advisor: Pu Wang), 2015
  5. Thu Van Tran, (Advisor: Ramanan Asmatulu), 2015
  6. Md. S. Faisal (Advisor: Ramanan Asmatulu), 2015