

**Yogendra Panta, Ph.D., P.E.**  
**Professor, Mechanical and Aerospace Engineering**  
**Professional Engineer/Fulbright U.S. Scholar**

WVU Tech College of Engineering & Sciences, West Virginia University  
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**Professional Interests** -Research in the areas of thermal fluid systems - computational fluid dynamics, aerodynamics, turbomachinery, energy, lab on chip, and biomimicry.  
-Engineering Education: Research in Effective Teaching Techniques and Active Learning, Innovation in Teaching and Learning Tools, Techniques and Methods.  
- Leadership, Management, student success and faculty development.

**Education** Certificate in *Hyflex (Hybrid Flexible) Teaching*, 2022, Teaching and Learning Commons (TLC) **West Virginia University (WVU)**, Morgantown, WV  
Certificate in *Effective College Instruction*, 2019, **American Council on Education (ACE) and the Association of College and University Educators (ACUE)**  
Short Course in *Leadership Skills for Engineering and Science Faculty*, 2019, **Massachusetts Institute of Technology (MIT)**, Cambridge, MA  
Professional Certificate in *The Science of Happiness at Work*, 2019, **University of California, Berkeley (UC Berkeley)**, CA  
Certificate in *Management and Leadership Essentials*, and Six Sigma, 2019, **The National Aeronautics and Space Administration (NASA) GRC**, Cleveland, OH.

**Ph.D.** Mechanical Engineering, 2008, **University of Nevada**, Las Vegas, NV  
*Dissertation: "The effects of electromagnetic fields on the detection of mercury and radionuclides"*  
**M.S.** Mechanical Engineering, 2004, **Youngstown State University**, OH  
*Thesis: "Numerical flow analysis of gear pump"*  
**B.E.** Mechanical Engineering, **Tribhuvan University**, Nepal  
**B.Sc.** Physical Sciences, **Tribhuvan University**, Nepal

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**Employment History** Mechanical and Aerospace Engineering Programs, Department of Mechanical Engineering  
WVU Tech College of Engineering & Sciences  
West Virginia University, West Virginia

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2022 – Date	<b>Professor</b>
2019 – 2022	<b>Associate Professor</b>
2013 – 2019	<b>Assistant Professor</b>

<b>Summers 2019, 2018</b>	<b>Faculty Fellow in Turbomachinery and Turboelectric Systems</b> NASA Glenn Research Center, Cleveland, OH
<b>2008 – 2013</b>	<b>Assistant Professor</b> , Department of Mechanical Engineering Youngstown State University (YSU), Youngstown, OH
<b>2006 – 2008</b>	<b>Graduate Fellow for Nevada NSF EPSCoR Program in Sensor Technology</b> University of Nevada Las Vegas (UNLV), Las Vegas, NV
<b>2005 – 2006</b>	<b>Graduate Teaching Assistant</b> , Department of Mechanical Engineering University of Nevada Las Vegas (UNLV), Las Vegas, NV
<b>2002 – 2004</b>	<b>Graduate Assistant</b> , Department of Mechanical Engineering Youngstown State University (YSU), Youngstown, OH
<b>Summers 2020 – 2021, 2014 – 2017</b>	<b>Mechanical Engineering Instructor/ Science Instructor</b> CAMP STEM- WVU Tech & Upward Bound Program of WVU Tech, WV

### Awards/Honors

**2022 Professor of the Year, WVU Tech**  
Department of Mechanical Engineering

**2021 West Virginia University Foundation**  
WVU Outstanding Teacher Award

**2020 Fulbright U.S. Scholar**

**2019** Faculty Fellow, NASA GRC, Cleveland, OH

**2019** Faculty Associate Leader, WVU Beckley

**2018** Faculty Fellow, NASA GRC, Cleveland, OH

**2018** Professor of the Year, WVU Tech Department of Mechanical Engineering

**2018** Faculty Associate Leader, WVU Beckley

**2017** Faculty Associate, WVU TLC – WVU Tech

**2016** Faculty Member ACUE Cohort, WVU Tech

**2012** Distinguished Professor in Scholarship, YSU

**2009 - 2012** Research Professorship, YSU

**2012** Presidential Gold Medalist- “Nepal Vidhyabhushan Ka,” Education Star, Nepal

**2011** Sigma-Xi Young Investigator Award, YSU- Sigma Xi Chapter, YSU

**2007** Merit Recognition- Graduate Assistant Excellence in Teaching Award, UNLV

### Selected Trainings/Workshops

**2019 – ACUE/ACE Certified Effective College Instructor**

**2016 – 2021 ACUE Cohort:** Facilitator/Leader/Member, “Effective Teaching Practices Learning Community,” ACUE/ACE & WVU Teaching & Learning Commons, “Career Guidance,” ACUE/ACE

**2020 Concept warehouse**  
“Actively Engaging Students in Online Mechanical Engineering and Mechanics Courses,” Via zoom - Oregon State University, OR

**2017 – 2019 ABET Symposiums:**  
“Advanced Program Assessment.”  
“Fundamentals of Program Assessment.”

**2016 Workshop:** “Computing Matters: Inquiry-Based Science & Mathematics Enhanced by Computational Thinking,” National Computational Science Institute (NCSI)

**2015 Training Course:** “Computational Fluid Dynamics (CFD),” COMSOL, Inc.

**2014 Workshop:** “Effective Teaching Tools and Techniques Virtual Communities of Practice (VCP)- Mechanical Engineering program,” funded by National Science Foundation (NSF)

**2012 Workshop:** “National Effective Teaching Institute (NETI),” ASEE Annual Conf. & Expo., San Antonio, TX

## **Professional Certificates (Teaching, Leadership and Management)**

1. **NSF I-Corps Short Course, "Innovative Teaching- Engineering Design"** by **NSF I-Corps** from the Cornell University in partnership with West Virginia University at WVU Tech, Feb. 7 - 22, 2020.
  2. **Certificate of Achievement in "Competency-Based Education: The Why, What, and How,"** Massachusetts Institute of Technology (MIT), March 15, 2019.
  3. **Coaching for Leadership: "The Practice of Leadership Coaching from the World's Greatest Coaches,"** The National Aeronautics and Space Administration (NASA) GRC, July 2018.
  4. **Certificate of Achievement in "Hands-on Introduction to Engineering Simulations,** Cornell University, New York, June 2018.
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## **Courses Taught**

### **West Virginia University (2013 - Date)**

#### *Undergraduate Level Courses*

1. ENGR 111, Software Tools for Engineers
2. MAE 201 Applied Engineering Analysis
3. MAE 242 Dynamics for Engineers
4. MAE 331 Fluid Mechanics
5. MAE 332, Experimental Methods
6. MAE 333 Mechanical Measurements
7. MEET 316 Dynamics for Engineering Technology
8. MAE 423 Heat & Mass Transfer
9. MAE 419 Heat & Mass Transfer Lab
10. MAE 428 Aerodynamics
11. MAE 493 Special Topics: Applied CFD (Computational Fluid Dynamics) (Developed and taught)
12. MAE 480/481 System Design I - Technical Advisor for Capstone Design Projects I
13. MAE 481 System Design II - Technical Advisor for Capstone Design Projects II
14. MAE 495 Independent Study

#### *Graduate Level Courses*

- ❖ Masters' Thesis Committee Member

## **Youngstown State University (2008 - 2013)**

### *Undergraduate Level Courses*

1. MECH 4835 Thermal Fluid Applications
  2. MECH 3762 Machine Design
  3. MECH 3762L Machine Design Lab
  4. MECH 3742 Kinematics of Machines
  5. MECH 3720 Fluid Dynamics
  6. MECH 3720L Fluid Dynamics Lab
  7. MECH 2603 Thermodynamics
  8. ENGR 1555 Engineering Drawing and Visualization
- ❖ *Technical Advisor for Capstone Design Projects*

### *Graduate Level Courses*

1. MECH 6930 Advanced Fluid Mechanics & Heat Transfer
  2. MECH 5885 Computational Fluid Dynamics (Developed and taught)
  3. MECH 6930 Masters' Thesis Advisor
- ❖ *Masters' Thesis Committee Member*
- ❖ *Master's Project Advisor*

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## **Professional Licensures**

**Registered Professional Engineer (P.E.) # 024829**, West Virginia State Board of Registration for Professional Engineers. (2021 - Present).

Fundamentals of Engineering (F.E.) # 0T5520: Engineer Intern, Board of Professional Engineers and Land Surveyors, State of Nevada. (2007 - Present).

## **Publications**

### **U.S. Patent**

Ganesh V. Kudav, Yogendra M. Panta, *Solar Panel Wind Deflector*, US 9,003,739 B2, 2015.

### **Book**

Yogendra M. Panta, *Action of Magnetohydrodynamics on the Detection of Mercury*, VDM Verlag Publishing House Ltd., Germany (ISBN 978-3-639-18425-9, 100 pages), 2012.

## **Peer Reviewed Publications (Journals and Proceedings)**

### **Teaching Related Publications**

1. Yogendra Panta, A. Paynter, J. Richmond, S. Jarrell, "Static Analysis of a Forklift," Transactions on Techniques in STEM Education, pp. 11 – 17, Vol. 2 No. 2, ISSN 2381-649X, Jan. – Mar. 2017.
2. Yogendra Panta, Levi Thornton, Cody Webb, Roger Targosky, Brendon Rankou, Daniel Richards, "Fostering Students' Capability of Problem Solving Through Semester Projects in Fluid Mechanics," Transactions on Techniques in STEM Education, pp. 73- 86, Vol. 2 No. 2, ISSN 2381-649X, Jan.– Mar. 2017.
3. Yogendra Panta, "Comparative Study of Students' Problem Based Learning Over Two Years Through Semester Projects in Fluid Mechanics," Transactions on Techniques in STEM Education, pp. 72- 83, Vol. 2 No. 3, ISSN 2381-649X, Apr. – June 2017.
4. Kenan Hatipoglu, Mingyu Lu, Afrin Naz, Yogendra M. Panta, Steven Ken Blevins, "Development of an Integrated Electromechanical Energy Conversion System to Support Undergraduate Electrical Engineering Curriculum," American Society for Engineering Education (ASEE) Annual Conference & Exposition, Ohio State University, Columbus, OH, June 2017.
5. Farshid Zabihian, Raul Torres, Herman Cousin, Yogendra Panta, "Capstone experience through experimentation using PIV and CFD Modeling," ASEE North Central Section (NCS) Conference, Cincinnati, OH, Apr. 2015.
6. Yogendra Panta, H.W. Kim, P. Adhikari, S. Aryal, "Integration of Hands-on Computational Fluid Dynamics (CFD) in Undergraduate Curriculum," American Society of Engineering Education (ASEE)- San Antonio, TX, June 2012.
7. Yogendra Panta, M. Butcher, "Development of an Integrative Biomechanics Course for STEM Majors," American Society of Engineering Education (ASEE)- San Antonio, TX, June 2012.
8. H.W. Kim, Yogendra Panta, "Fostering Students' Capability of Designing Experiments Through Theme-specific Laboratory Design Projects," American Society of Engineering Education (ASEE)- San Antonio, TX, June 2012.
9. H.W. Kim, Yogendra Panta, "On the work by electricity in the first and second laws of thermodynamics," American Society of Engineering Education (ASEE)- Vancouver, Canada, June 2011.

### **Engineering Research Related Publications**

10. Y. Panta, P. Adhikari and T. Olson, Comparative Study of Standard and Reverse Flow through a Poppet Valve that Failed under Reverse Mode of Flow (*In Review*)
11. Yogendra Panta, "Analysis of Mercury (II) Ions Detection under Redox Based Magnetohydrodynamically Driven Fluid Convection," Magnetohydrodynamics ISSN 0024-998X, pp. 309-324, Vol. 54 Issue 3, 2018.
12. Yogendra Panta, D. E. Farmer, P. Johnson, M.A. Cheney, S. Qian, "Preparation of Alpha Sources Using Magneto-Hydrodynamic Electrodeposition for Radionuclide Metrology," Journal of Colloid and Interface Science 342: 128-134, 2010.

13. Yogendra Panta, J. Liu, M.A. Cheney, S.W. Joo, S. Qian, "Ultrasensitive Detection of Mercury (II) Ions Using Electrochemical Surface Plasmon Resonance (SPR) With Magnetohydrodynamic (MHD) Convection," Journal of Colloid and Interface Science 333: 485-490, 2009.
14. Yogendra Panta, S. Qian, J.V. Cizdziel,, C.L. Cross, "Mercury Content of Whole Cigarettes, Cigars and Chewing Tobacco Packets Using Pyrolysis Atomic Absorption Spectrometry With Gold Amalgamation," Journal of Analytical and Applied Pyrolysis 83: 7-11, 2009.
15. Yogendra Panta, S. Qian, M.A. Cheney, "Stripping Analysis of Mercury(II) Ionic Solutions Under Magneto-hydrodynamic (MHD) Convection," Journal of Colloid and Interface Science 317: 175-182, 2008.
16. Gregory Bottenfield, Kenan Hatipoglu, Yogendra M. Panta, "Advanced Rail Energy and Storage- Analysis of Potential Implementations for the State of West Virginia," North American Power Symposium (NAPS), North Dakota State University in Fargo, North Dakota, Sept. 2018 (Accepted).
17. Yogendra Panta, P. Adhikari, B. Reppert, "Study of Flow Field Variables in a Pressure Reducing Valve," American Society of Mechanical Engineers (ASME) IMECE, Houston, TX, Nov. 2012.
18. G.V. Kudav, Yogendra Panta, "Design and Testing of Wind Deflectors for Roof-Mounted Solar Panels," Advances in Fluid Mechanics (AFM), AFM 2012: 9<sup>th</sup> International Conference on Advances in Fluid Mechanics, Split, Croatia, June 2012.
19. Yogendra Panta, P. Adhikari, S. Aryal, "Development of Electro-Osmotic Micromixer for Uniform and Rapid Mixing," American Society of Mechanical Engineers (ASME) Bioengineering- Fajardo, Puerto Rico, June 2012.
20. Yogendra Panta, S. Aryal, P. Adhikari, "Analysis of Electro-Kinetic Fluid Flow in T-Shaped DNA Chips," ASME Bioengineering- Fajardo, Puerto Rico, June 2012.
21. Yogendra Panta, P. Adhikari, "Design of Efficient Electro-Osmotic Mixer," American Society of Mechanical Engineers (ASME) Bioengineering- Farmington, PA, June 2011.

**Selected Presentations with Peer Reviewed Abstracts** (#: Faculty Presenters, \*: Student Presenters)

**Teaching Related Peer-Reviewed Abstracts and Presentations:**

Annual Meeting of the West Virginia Academy of Science (WVAS) Vol. 94, No 1 (2022)

1. Panta, Y. M. (2022). Challenges, Successes and Lessons Learned in Implementing Hyflex Learning during the COVID-19 Pandemic Era.
2. Panta, Y. M., Hatipoglu, K., Rai, S. (2022). NSF S-STEM Project Initiation: Supporting Undergraduate Cohorts of Career-Ready Engineering and Science Scholars (SUCCESS) Project at WVU Tech- Year 1 Updates.
3. Panta, Y.M, Church, W. (2022). Synchronizing the Teaching Resources of Energy Conservation Principle in Mechanical Engineering Courses.

Annual Meeting of the West Virginia Academy of Science (WVAS) Virtual Vol. 93, No 1 (2021)

4. Panta, Y. M., Hatipoglu, K., Rai, S. (2021). Challenges, Successes and Lessons Learned in Implementing Active Learning during the COVID-19 Pandemic Era.
5. Panta, Y. M., Hatipoglu, K., Rai, S. (2021). NSF S-STEM Project Initiation: Supporting Undergraduate Cohorts of Career-Ready Engineering and Science Scholars (SUCCESS) Project at WVU Tech.

Annual Meeting of the West Virginia Academy of Science (WVAS) Virtual Vol. 92, No 1 (2020)

6. Yogendra M Panta, Kenan Hatipoglu, Implementation of "ACUE's "Developing student's career ready skills" module at WVU Tech.
7. Yogendra M. Panta, Kenan Hatipoglu, Application of ACUE module "Embedding Career Guidance Into Your Course" at WVU Tech.

Annual Meeting of the West Virginia Academy of Science (WVAS), West Liberty University, WV, Apr. 2019

8. Kenan Hatipoglu, Yogendra M. Panta#, "Deployment of E-Learning modules to foster entrepreneurial mindset among engineering students at WVU Tech."
9. Angela McCaskill, Yogen Panta#, Kenan Hatipoglu, Sanish Rai, Gregory Bottenfield, "Faculty Cohort on Teaching and Learning at WVU Tech."
10. Yogendra M Panta#, Kenan Hatipoglu, "Implementation of "E-Learning modules-entrepreneurial mindset in engineering" to Foster Teaching and Learning Environment at WVU Tech."

Annual Meeting of the West Virginia Academy of Science (WVAS), WV Wesleyan College, WV, Apr. 2018

11. Yogendra M. Panta#, Kenan Hatipoglu, "Implementation of Active Learning Pedagogies to Foster Teaching and Learning Environment."
12. Kenan Hatipoglu, Yogendra M. Panta #, Gregory Bottenfield, "Feasibility Analysis of Advanced Rail Energy Generation and Storage Technology Implementation for State of West Virginia."

American Society of Engineering Education (ASEE) Annual Conference & Exposition, Ohio State University, Columbus, OH, June 2017

13. Kenan Hatipoglu#, Mingyu Lu, Afrin Naz, Yogendra M. Panta, Steven Ken Blevins, "Development of an Integrated Electromechanical Energy Conversion System to Support Undergraduate Electrical Engineering Curriculum."

Annual Meeting of the WVAS, Glenville State College, WV, Apr. 2017

14. Yogendra M. Panta#, Kenan Hatipoglu, "Fluid Power Activities in College-Level Fluid Mechanics Teaching."
15. Kenan Hatipoglu, Mingyu Lu, Afrin Naz, Yogendra M. Panta, Steven Ken Blevins\*, "Implementation of Integrated Electromechanical Energy Conversion System at WVU Tech."

ASEE North Central Section (NCS) Conference, Central Michigan University, Mt. Pleasant, MI, Mar. 2016

16. Yogendra Panta#, "Comparative Study of Students' Problem Based Learning in Fluid Mechanics."

American Society of Mechanical Engineers (ASME) Fluids Engineering Division Summer Meeting (FEDSM), Hyatt Regency Hotel, Washington, DC, July 2016

17. Yogendra Panta#, "Effectiveness of Demonstration and Visualization based Teaching Resources to Enhance Students' Learning."
18. Yogendra Panta#, "Integration of Hands-on Computational Fluid Dynamics (CFD) and Particle Image Velocimetry (PIV) in Undergraduate Curriculum."

West Virginia Great Teachers 24<sup>th</sup> Annual Seminar, Cairo, North Bend State Park, Cairo, WV, June 2016

19. Yogendra Panta#, "The Innovation Paper- Effectiveness of Demonstration and Visualization based Teaching Resources to Enhance Students' Learning."
20. Yogendra Panta#, "The Problem Paper: Students' Problem Based Learning (PBL) through Semester Projects."
21. Yogendra Panta#, "Enhancement of Teaching Effectiveness: Active Learning."

ASME North Central Section (NCS) Conference, University of Cincinnati, Cincinnati, OH, Apr. 2015

22. Yogendra Panta, Aaron Paynter\*, Joseph Richmond, Sam Jarrell, "Static Analysis of a Forklift,
23. Yogendra Panta#, Levi Thornton, Cody Webb, Roger Targosky, Brendon Rankou, Daniel Richards, "Fostering Students' Capability of Problem Solving Through Semester Projects in Fluid Mechanics."
24. Farshid Zabihian, Raul Torres\*, Herman Cousin\*, Yogendra Panta, "Capstone experience through experimentation using PIV and CFD Modeling."

ASME Annual Conference & Exposition, Vancouver, BC, Canada, June 2011

25. H.W. Kim#, Yogendra Panta, "On the work by electricity in the first & second laws of thermodynamics."

**Engineering Research Related Peer-Reviewed Abstracts and Presentations**

ASME International Mechanical Engineering Congress and Exposition (IMECE), Houston, TX, Nov. 2012.

26. P. Adhikari\*, Yogendra Panta, B. Reppert, "Study of Flow Field Variables in a Pressure Reducing Valve."
27. Yogendra Panta, P. Adhikari\*, S. Aryal, "Flow manipulation and Concentration Analysis of Analytes Sample in a Microfluidic Chip."
28. Yogendra Panta, P. Adhikari\*, S. Aryal, W. Lin, "Numerical Analysis of Magnetohydrodynamic Pump Comparing Straight, Converging, and Diverging Microchannels."

ASME Bioengineering- Fajardo, Puerto Rico, June 2012

29. Yogendra Panta#, S. Aryal, P. Adhikari, "Analysis of Electro-kinetic Fluid Flow in T-Shaped DNA Chips."

ASME SBC/ US National Committee on Biomechanics-3<sup>rd</sup> Symposium on Frontiers in Biomechanics, & Mechanics of Development, Farmington, PA, June 2011.

30. Yogendra Panta, S. Aryal\*, "Analysis of Electro-osmotic flow in a DNA Chip."
31. Yogendra Panta, P. Adhikari\*, "Design of Efficient Electro-Osmotic Mixer."



## Grant Activities

### Funding Dates

### Grants (approx. \$2M)

<b>2021-2026 (Co-PI)</b>	National Science Foundation (NSF) - Supporting Undergraduate Scholar Cohorts to Prepare Career-Ready Engineering and Science Graduates (funded \$650,000)
<b>2020 – 2022 (PI)</b>	U.S. Department of State- Fulbright U.S. Project - Promoting Effective Teaching Techniques and Active Learning Environment: Impacts on Faculty Development and Student Success in Nepalese Engineering Education (funded Approx. \$40,000)
<b>2017 – Date (PI)</b>	National Fluid Power Association (NFPA) - Design of Fluid Power Vehicle, Operation of Fluid Power Club Activities and Fluid Power Classroom Challenge (funded Approx. \$10,000 annually)
<b>2017-2018 (Co-PI)</b>	NASA West Virginia Research Enhancement Award (funded \$6,000)
<b>2017 - 2018 (PI)</b>	Kern Entrepreneurial Engineering Network – Univ. of NH (KEEN-UNH), CT, “Entrepreneurial mindset in undergraduate engineering in academia.” (funded \$2,750)
<b>2016-2017 (PI)</b>	West Virginia University Teaching and Learning Commons (WVU-TLC), Teaching Integration Grant- “Classroom Audio Visual Technology,” (funded \$2,000)
<b>2015-2016 (Co-PI)</b>	West Virginia Higher Education Policy Commission (HEPC) Instrumentation Grant “Developing an Integrated Electro-Mechanical Energy Conversion System,” (funded \$20,000)
<b>2012-2013 (PI)</b>	BOC Water Hydraulics, “Evaluation of Fluid Properties in Cartridge Valve Application due to High Pressure Water Pump,” (funded \$33,000)
<b>2012-2013 (Co-PI)</b>	Department of Energy (DOE)- Tech-Belt Innovation Center: “Development of Shrouded Turbine- Computational Modeling and Wind Tunnel Testing of Turbines,” (funded ~ \$1M)
<b>2009-2011 (Joint-PI)</b>	Northern States Metal Company, Youngstown, Ohio, “Estimation of Lift-Loads on Inclined Roof-Top Solar Panel to Reduce Such Loads,” (funded \$77,000)

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## Professional Service

**Editorial Activities (Reviewer)** Journal (J.) of Fluids Eng., Ocean Eng., J. Biomechanics, J. Franklin Institute, Env. Progress & Sustainability, J. Colloid & Interface Sc., ASEE & ASME Conferences

**Professional and Professional Society Membership Faculty Advisor** Tau Beta Pi (TBP) Engineering Honor Society, Pi Tau Sigma (PTS)- Mechanical Engineering Honor Society, NFPA University Education Committee, American Society of Mechanical Engineers (ASME), American Society of Engineering Education (ASEE), West Virginia Academy of Science (WVAS), American Society of Mechanical Engineers (ASME) Chapter, Pi Tau Sigma (PTS)- Mechanical Engineering Honor Society Chapter, Fluid Power Club Chapter at WVU Tech (Founder)

**Community Service** **Enthusiastic community educator**, guest lecturing local area schools on science and engineering, volunteering in state math field day and state science fair competitions,

### Panelist/Ad- Hoc Reviewer

- 2016-Present** Panelist of National Science Foundation Proposals for Graduate Research Fellowship
- 2017-Present** Panelist for Department of Defense-The Science, Mathematics And Research for Transformation (SMART) Scholarship
- 2018-Present** Panelist for Department of Defense-NDSEG Program
- 2016-Present** Panelist for NFPA University Education
- 2020** Session Chair, ASEE Virtual Annual Meeting
- 2016** Session Co-Organizer, ASME Fluids Engineering Division Summer Meeting
- 2015** Session Chair, ASEE North Central Section Annual Meeting
- 2012** Topic Co-Organizer, "Wind Water and Solar Energy" ASME Conference
- 2012** Moderator, "Computer Science and Programming," ASEE Annual Meeting
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### University Service

#### College

-**Faculty Associate Leader** for WVU Beckley Campus- collaborating with WVU- TLC and ACUE to facilitate WVU Beckley faculty with a comprehensive Course, "Effective Teaching Practices" through a faculty cohort setting.

-**Filled in for Department Chair** in various Department, College/University Activities including departmental presentations, student recruitment, accreditation, visits, etc.

- **Faculty Mentor/Peer support** service to 5 junior faculty from Electrical & Computer Engineering, Computer Sc. & Information Systems, Mechanical Engineering, Physics.

#### Department of Mechanical Engineering

**ABET Accreditation Program Coordinator-** Mechanical Engineering, WVU Tech  
**ABET Accreditation College Committee Member**, Leonard C. Nelson College of Engineering & Sciences, WVU Tech

#### University WVU, Morgantown:

**2020 – Current** Member- Library Committee

**2017- 2020** Member- Teaching and Assessment Committee (TACO)

#### **WVU Tech- WVU Beckley:**

**2020 – Current** Member of Faculty Council

**2019 – 2020** Chair, Faculty Evaluation Committee Engineering Cluster

**2017-2018** Member, Faculty Evaluation Committee Engineering Cluster

**2015-2016** Member, Faculty Evaluation Committee Engineering Cluster

**2018** Member- Electrical Engineering Faculty Search Committee

**2018** Member - Computer Engineering Faculty Search Committee

**2017** Chair- Mechanical Engineering Faculty Search Committee

**2017** Member- Mechanical Engineering Faculty Search Committee

**2015 – 2017** Student Code of Conduct Committee

**2014 – 2016** Scholarship Committee

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