

**Friday, November 9, 2018** – ECE Building, 2nd Floor Atrium

5:30 – 8:00 PM: Networking Reception and Student Poster Presentation

**Saturday, November 10, 2018** – ECE Building, Room 269 and Paul G. Allen School CSE Atrium

8:00 – 8:30 AM: Continental Breakfast

8:30 – 8:40 AM: Welcome – Greg Miller, *Vice Dean, College of Engineering, UW*

8:40 – 9:00 AM: Welcome – Radha Poovendran  
WECEDHA Committee:

Anthony Maciejewski  
Agnieszka Miguel  
Truong Nguyen  
Marco Rolandi

ECEDHA Representative:  
John Janowiak

9:00 – 9:30 AM: Plenary – “Building an Innovation Ecosystem Across Borders”  
- Vikram Jandhyala, *Vice President for Innovation Strategy, UW*

9:30 – 10:00 AM: Plenary – “Data Science and Machine Learning in Education”  
- Magdalena Balazinska, *Associate Vice Provost for Research - Data Science, UW*

10:00 – 10:30 AM: Networking Break

10:30 – 12:00 PM: Discussions with attending schools, undergraduate/graduate programs, enrollment, hiring, and research - Led by Radha Poovendran

12:00 – 1:30 PM: Lunch and University Showcase – “Research and iREDEFINE Posters”  
- Led by Agnieszka Miguel

1:30 – 2:00 PM: ABET Update  
- Agnieszka Miguel and Mani Soma

2:00 – 3:00 PM: Panel Discussion - “Building a Vibrant Alumni Base and Advancement Best Practices” - Led by John Sahr

3:00 – 4:00 PM: Panel – “Hands-on Curriculum for Freshmen”  
- Led by Truong Nguyen

4:00 – 5:30 PM: Research Lab Tours  
4:00-4:25 PM: Joshua Smith, *ECE Building 371, Sensor Systems Lab*  
4:30-4:55 PM: Matt Reynolds, *ECE Building 453, Reynolds Lab*  
5:00-5:25 PM: Shwetak Patel, *CSE Building 507, Ubicomp Lab*  
Hosted by Alex Mariakakis

6:30 - 7:00 PM: Shuttle Pick up from University Inn, *4140 Roosevelt Way NE Seattle, WA 98105*, and drop off at El Gaucho (*Optional*)

7:00 – 9:30 PM: Dinner at El Gaucho, *2505 1st Ave, Seattle, WA 98121*  
Plenary - “Conversational AI”  
- Mari Ostendorf, *Associate Vice Provost for Research, UW*

9:00 - 9:30 PM: Shuttle Pick up from El Gaucho and drop off at University Inn (*Optional*)

**Sunday, November 11, 2018** – ECE Building, Room 269

8:30 – 9:00 AM: Continental Breakfast

9:00 – 9:30 AM: Plenary – “Robotics in Education”  
- Blake Hannaford

9:30 – 10:00 AM: RED Programs Update  
- Anthony Maciejewski

10:00 – 10:30 AM: Networking Break

10:30 – 11:30 AM: Panel Discussion – “Future of ECE Education and Industry Preparedness”  
- Led by Radha Poovendran

11:30 – 1:00 PM: Wrap up and Discussions  
- ECEDHA March 2019 Annual Conference  
- WECEDHA 2019 Location  
- Box Lunches  
- Meeting Adjournment

**Student Presenter Information**

- Andreas Pedross-Engol; *3D Imaging with Millimeter Wave Massive MIMO*
- Bhaskar Ramasubramanian; *Secure Cyber-Physical Systems In Partially Observable Environments: Perspectives From Control Theory And Formal Methods*
- Chen Zou; *Laser Direct Writing of Phase Change Perovskite Photodetector Array for Optical Information Storage*
- Claire M. Watts; *Reconfigurable Airborne Radar Imaging with Dynamic Metamaterial Antennas*
- Di Sun; *Self-Cleaning Surfaces Using Anisotropic Ratchet Conveyors*
- Farah Nadeem; *Automated Analysis of Cognitive and Linguistic Demand of Science Assessment Questions*
- Gaoang Wang; *Enhanced Tracklet Clustering for Multi-Object Tracking with TrackletNet*
- Hashem M Mohammad; *Charge Transport Through Nucleic Acid Structures*
- Niveditha Kalavakonda; *Surgical Instrument Segmentation for Identifying Robotic and Neurosurgical Instruments*
- Shana Moothedath; *Multi-Stage Dynamic Information Flow Tracking Game*
- Trang Thi Minh Tran; *Prosody and Speech Constituency Parsing*
- Xuhang Ying; *Shape of the Cloak: Formal Analysis of Clock Skew-Based Intrusion Detection System in Controller Area networks*
- Xun Sun; *An All-digital Buck-converter-based Unified Clock and Power Architecture (UniCaP) with Autonomous CCM/DCM Transition Control*
- Yize Chen & Yuanyuan Shi; *Real-time Control for Complex Physical Systems: A Tractable Data-Driven Approach*
- Yun Hsuan Su; *Real-time Vision Based Surgical Tool Tracking and Force Estimation with Robot Kinematics Prior*
- Zerina Kapetanovic; *FarmBeats: AI & IoT for Agriculture*
- Zheyi Han; *MEMS Integrated Tunable Metasurface*

**UW Wi-Fi Information | NetID:** event0341 **Password:** d3G7+b5B8+z8L4

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# WECEDHA



**ELECTRICAL & COMPUTER  
ENGINEERING**

UNIVERSITY of WASHINGTON

**Western Electrical & Computer Engineering Department Heads Association Meeting**

**November 9-11, 2018**

**Electrical & Computer Engineering Building | University of Washington | Seattle**

**Meeting Agenda | WECEDHA 2018**