

IEEE MetroCon 2017 Conference Program

30th Anniversary!

October 26, 2017, 7:00am to 7:00pm
Arlington Convention Center, Arlington, TX

NOTE: Registration Desk opens at 7:00am. ACC Opens for exhibits load-in and setup at 6:00am.

| Time | Gallery in Front of Salon A/B | Room M9/M10 | Room M8 | Room M5/M6 | Room M1/M2 | Room M3/M4 | Room M7 | Room M11/M12 | Salon B |
|---------------|--|--|---|--|--|--|--|---|--|
| | Student Posters Chair: Charles Douglass Co-Chair: Mila Hunt | Internet of Things Track Chair: Ed Hightower Co-Chair: Brent Rager | Software and Systems Engineering Track Chair: Chris Soihl Co-Chair: Pascale Rondot | Developing and Deploying Secure Systems Track Chair: Phillip Todd Co-Chair: Princy Mehta | Power and Energy Track Chair: Michael Stephens Co-Chair: Yu Meng | Computational Intelligence Track Chair: Oscar Garcia Co-Chair: Ed Safford Co-Chair: Brandon Safford | Biotechnologies Track Chair: Iok-Hou Pang Co-Chair: JC Chiao Co-Chair: Dan Dimitrijevic | Financial Planning Track Chair: Tyler Davis Co-Chair: Timothy Watts | Exhibits Schedule Chair: Jim Thompson Co-Chair: Tonesha Smith |
| 7:30 | Put up Posters | Welcome Address Diane Collier, IEEE MetroCon 2017 General Chair | | | | | | | |
| 7:45 - 8:25 | | Plenary Address -- SALON A: Mike McNair, Bell Helicopter -- Personal Air Travel -- A Multi-Disciplinary Challenge | | | | | | | Set up start at 6am |
| 8:30 - 9:25 | Put up Posters | IoT - Low Power Wide Area Networks (LPWANs) Ed Hightower IoT and Beyond | Engineering a Cloud Solution for a Traditional Systems Architecture Claudeliah Roze Raytheon | Blockchain Technology Innovations Jeff Daniels; Ben Amaba Lockheed Martin; IBM, Hybrid Cloud Products | Methods for Control and Optimization of Power Systems Ramtin Madani Assistant Professor, UTA | Combining Good Old Fashioned AI and Machine Learning Chris St. John CTO, Panamplify | Integrating Light-Sheet Imaging and Hemodynamic Shear Forces to Study Developmental Cardiac Mechanics Juhyun Lee Assistant Professor, Bioengineering Department, UTA | Put Your Retirement Plan to Work William Swoboda Financial Advisor, Edward Jones | |
| 9:25 - 9:55 | Students Present Posters during Break | Break in Exhibits Area (Salon B) | | | | | | | |
| 10:00 - 10:55 | | Smart Cities Alicia Winkelblech and Mindy Carmichael City of Arlington | Integrating Risk and Opportunity with Project Value Tyson Browning Professor, Neeley School of Business, TCU | Enterprise class security controls to protect APIs and micro services -- developing and deploying secure cloud applications Micki Boland, Global Cyber Security Architect Check Point Software Technologies | What Technology Applications Can Make Your Job Easier (and improve the grid) Tomorrow and in Five Years? David Treichler Director of Strategy and Technology Oncor Electric Delivery | Computational Challenges and Recent Advances in Dynamics and Control of Space Systems Manoranjan Majji Assistant Professor and Director, Texas A&M LASR Lab | GSH-sensitive nanoparticles for intracellular drug delivery for potential cancer treatment Yi Hong Assistant Professor, Bioengineering Department, UTA | Analyzing Power Integrity of IoT Devices Mike Borsch Oscilloscope Product Manager Rohde & Schwarz | Exhibits Program |
| 11:00 - 11:55 | Poster Judging Students Present to Judges | Industrial IoT Jeff Smith CEO, QuantumIoT | The Next Big Challenge: Using Artificial Intelligence to Augment System Design Matthew Holvey Innovation Engineer, Bell Helicopter | Operationalizing Mobile App Security Andrew Hoog Co-Founder, viaForensics | Distributed Energy Resources (DERs) Reliability Impacts and Recommended Changes Clayton Stice Emerging Technologies Manager ERCOT | Learning to Extract Descriptive Keyphrases from Scholarly Big Data Cornelia Caragea Assistance Professor, CSE Dept. UNT | Stimuli-Responsive Targeted Nanoparticles as Drug Delivery Vehicles for Lung Cancer Therapy Kytaï T. Nguyen Professor, Department of Bioengineering, UTA & Joint Graduate Program, UTSWMC | Top 10 Advantages for Having a Private Foundation Kenneth Ward Managing Diorector, Foundation Source | |
| 12:00 - 1:15 | Poster Awards | Luncheon Program -- SALON A: 30th Anniversary Keynote Address: <i>To be Unveiled at the Conference</i> Student Poster Competition Awards -- Charles Douglass, Mila Hunt | | | | | | | Lunch Break with Conference |
| 1:15 - 2:00 | | Networking in Exhibits Area (Salon B) | | | | | | | Exhibits Program Resumes |
| 2:00 - 3:10 | Students display/present winning posters | Connected Cars/Autonomous Vehicles Vikram Appia Texas Instruments | Application of Functional Analysis to Transform Customer Requirements Yvonne Bijan Lockheed Martin | Current Cyber Threat and Trends Dallas FBI Field Office | Practical Big Data Analytics for Electrical Utilities Nanpeng Yu, Assistant Professor, Distribution Automation and Analytics University of California, Riverside | ClaimBuster: The Quest to Automate Fact-Checking Chengkai Li Assoc. Professor & Director, Innovative Database and Information Systems Research Laboratory (IDIR), UTA | Artificial Intelligence in Computational Chemistry: hope or hype? Peng Tao Assistant Professor, SMU | Tax free Municipal Bond management -- how investors can increase their tax-free yield during low interest rate environments Pete Pedersen Regional Director, Lord Abbett | |
| 3:10 - 3:40 | | Break in Exhibits Area (Salon B) | | | | | | | All exhibitors invited to Reception |
| 3:45 - 4:40 | Take down posters | Blockchain, Bitcoin, Smart Contracts... How will these evolve IoT? Kurt Kelley IoT Specialist and Technology Consultant Excelerated Technology Consulting | Requirements Engineering Concepts to Help Everyone Mike Deitz Lockheed Martin Missiles & Fire Control | Enterprise Cybersecurity Governance -- Optimizing Value from Cybersecurity Initiatives Michael Addo-Yobo Sr. Director, Cyber Risk Advisory CoalFire | Microgrids Yazhou (Joel) Liu, Ph.D., PE Power System Engineering Specialist Eaton | Panel Session: Coming Applications of Computational Intelligence Moderator: Brandon Safford | Towards Drug Discovery via the Computational Microscope Jin Liu Assistant Professor, UNTHSC | Software Licensing and Intellectual Property Chris Wood Lockheed Martin Corporation | Exhibits Tear Down begins right after break -- exhibitors invited to Reception |
| 4:45 - 7:00 | | Reception Program -- SALON A | | | | | | | |

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