

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	IoT Richard Markley 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 Kytai 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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