

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

IEEE MetroCon 2017 is Sponsored by the IEEE Fort Worth Section