Keynote Speaker, Jeff Williams, PE, was elected Mayor of the City of Arlington in 2015 after decades of public service in Arlington. Mayor Williams is president of Arlington based Graham Associates, Inc., engineering and planning firm. He has worked on a host of major projects including AT&T Stadium, the I.H. 30 Three Bridges Project, Globe Life Park, River Legacy Center, and the Parks Mall. In 2009, Williams was presented with the State of Texas Outstanding Civil Engineering Achievement Award. Mayor Williams will discuss the technical aspects of development projects in Arlington including the new Globe Life Park.

Plenary Speaker, Alan D. Greer, PE, leads the environmental and permitting work for Texas Central, a Texas-based company developing the high-speed passenger railway connecting North Texas and Houston. Building on over 33 years of experience in engineering, infrastructure planning, and design, he joined the high-speed rail project in 2014. Alan will provide an overview of current project progress and the technology advances that make high-speed rail possible.

	Internet of Things Room 1/2	Software and Systems Engineering Room 3/4	Developing and Deploying Secure Systems Room E/F	Power and Energy Room G/H	Computational Intelligence Room 5	Biotechnologies Board Room (upstairs)	Financial and Future Tools Room 6
7:30	Welcome Address: Diane Bowen Collier, IEEE MetroCon 2018 General Chair						
7:45 - 8:25	Plenary Address : "The Texas Central High-Speed Train - Accelerating the Texas Economy" Alan D. Greer, PE, Texas Central						
8:30 - 9:25	Smart Cities - Strategies and Initiatives for Implementing Society 5.0 Matthew Bailey Arrow Electronics	Advanced Problems in Systems Engineering Jeff Cohen 321 Gang	AI and Block Chain Jeff Daniels Lockheed Martin Ben Amaba and Abbey Hagin IBM	Big Data Analytics for Renewable Energy Grid Integration Jie Zhang UTD	The Turing Test: Why Computers Still Can't Understand Us Lauren Kunze Pandorabots, Inc.	Ligandomics: A Revolutionary Approach for Drug Discovery Iok-Hou Pang UNT Health Science Center	Putting Your Retirement Plan to Work William Swoboda Edward Jones
9:25	Break - Student Poster Presentations – The Student Poster Competition is open to IEEE Student Members who are either undergraduate or graduate students at the time of the competition						
10:00-10:55	Bell's Way Forward On-Demand Mobility Mike McNair Bell Flight	Self Driving Cars - Are We on the Right Road? John H. Robb UTA	Keyless Signature Infrastructure for Secure Systems Engineering Brian McFarland Guardtime Federal, LLC	How Advanced Analytics is Impacting Engineering @ Oncor Hagen Haentsch Oncor	Semantic Mapping Based on Vision Justin Hardt University of Texas at Austin, RoboCup	A New Translaminar Autonomous System Tasneem Putliwala Sharma UNT Health Science Center	Insurance Strategies Alysia Bell Merrill Lynch
11:00 - 11:55	Mesh Networking and IoT Use Cases for ilumi MeshTek, Bluetooth 5.0, Beacons Michael Bigbee ilumi solutions, Inc.	Tomorrow's Flight Control Systems and Quantum Inspirations to New Approaches Chris Elliott Lockheed Martin	Threat Hunting with Splunk Richard Voninsk Splunk, Inc	Energy Storage in Power Grids Bill Muston Oncor	Intelligent Agents Ed Safford IEEE Lockheed Martin, Retired	Metabolic Health Screening using Compact NMR Ina Mishra UNT Health Science Center	Estate Planning Strategies Gray Haynes The Wynne Law Firm
12:00 - 1:15	Luncheon - Keynote Address: "Arlington on the Move!" An Engineering Perspective of Major Projects Jeff Williams, PE, President, Graham Associates, Inc. and Mayor, City of Arlington Student Poster Awards: Derrick Webster						
1:15	Exhibits and Networking						
2:00 - 3:10	Overcoming Challenges to Support Smart Agriculture and Rural IoT Applications Pete DeNagy Internet of Things America, LLC	Cognitive and Context Aware Security Suku Nair SMU AT&T Center for Visualization, SMU	Using Discovery Analytics in Computer Security Analysis Eric Dull Deloitte	Generation Reliability and Safety Shiuan-Hau, Eric Rau, and Asher Choudhary Shermco Industries, Inc.	The Mystery of Quantum Teleportation Oscar Garcia University of North Texas	Applications of Carbon Nanomaterials in Biological Imaging and Drug Delivery Anton Naumov TCU	Finally Perfecting Network Security Daryl Adams Spirent
3:10	Break in Exhibits Area						
3:45-4:40	IoT, Low Power Wide Area Networks, LTE-M and NB-IoT - IoT Wireless Solutions Ed Hightower IoT and Beyond	Affordability Does Not Tell You What You Get For Your Money Teresa McCarthy Lockheed Martin	Risk Management, Applying an IT Centric Process to Real-Time Embedded Systems Margee Herring and Jermone Edge Lockheed Martin	ERCOT Nodal Market Feiran Huang Luminant	Explainable AI Legal Ramifications Robert Kantner Jones Day Law Firm	Using Grapes to Fight Against Free Radicals in the Eye: Cataract Prevention Hongli Wu UNT Health Science Center	Financial Crisis: 10 Years Later Tyler Davis Merrill Lynch
5:00	Reception						

See http://www.metrocon.org for conference information, student poster competition rules, and on-line registration.

Early Registration Deadline: October 22, 2018

Refund Policy: Requests must be received in writing by October 22nd. A withdrawal fee of $50 will apply. Substitutions are permitted.

Late Registration starts October 22nd and will be available on-site beginning at 7:00 am on the day of the conference. For additional information and information on Group Discounts contact Diane Bowen Collier, d.b.collier@ieee.org (include "MetroCon" in the subject), cell phone (817) 988-5660. Seating for late registration may be limited.

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Exhibits Only	☐ $100	☐ $100
Additional Banquet Ticket	☐ $50	☐ $50

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MetroCon takes place at the Hurst Conference Center, 1601 Campus Dr., Hurst, TX 76054. Parking is free. For directions and parking see:
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