

IEEE SoutheastCon 2019

April 11-14, 2019 | Von Braun Center | Huntsville, AL



POWERED BY THE ROCKET CITY
HUNTSVILLE, ALABAMA

Institute of Electrical and Electronics Engineers (IEEE) is hosting its SoutheastCon 2019 in Huntsville Alabama, April 11-14, 2019. This year's event is celebrating two main historical events, the 50th Anniversary of the Lunar Landing, and Alabama's bi-centennial. Huntsville, a.k.a Rocket City, is the birth place of rocketry and enabling the technological advances in space and defense. The conference includes technical and collegiate student competition events that include autonomous robotics, software, and drone. The conference includes six parallel technical tracks. Workshop and tutorials do not require full conference registration and will offer participants Professional Development Hour (PDH) credit. Offered tutorial and workshops include presentations from IBM, CCDC Aviation and Missile Center, GTRI, and others. Information on workshop and tutorials can be found at <http://sites.ieee.org/southeastcon2019/program/technical-program>.

Track 1	Track 2	Track 3	Track 4	Track 5	Track 6
Power/Smart Grid	Communications/ Signals	Computers/ Controls/Robotics	Advanced Computing & Technologies	Sensor Networks & IoT	Miscellaneous/ Interdisciplinary
Power Systems	Signal & Image Processing	Cybersecurity & Information Assurance	Machine Learning & Artificial Intelligence	Sensor Networks	Nanotechnology Materials, & Additive Manufacturing, 3D Printing of Electronic Components & Circuits
Renewable Energy Systems	Communication & Networking	SCADA Security	Virtual Reality/ Augmented Reality	Remote Sensing & Geosciences	Bioengineering, Bioinformatics, Health Informatics, & Social Implications of Technology
Smart Grid & DC Micro-Grids	Personal Area Networks (PAN)	Control & Automation	Self-Driving/ UAV & Vehicular Communications	The Internet of Things	Chaos Theory & Chaotic Systems
Energy Harvesting & Wireless Power Transfer	Optics & Infrared Systems	Drones & Robotics	Simulation & Game Development	Industrial Internet of Things	Blockchain Technology
Electric Vehicles/ Charging Stations	Optics & Optoelectronics	Computer Vision & Software Engineering	Big Data & Warehouse Architecture	Internet of Vehicles	Applications in Systems Engineering
Semiconductor Devices & Power Electronics	Electromagnetics, Microwaves, & Radar Systems	Embedded Systems, High Performance Computing, & Parallel Processing	Algorithms & Data Structures	Emerging Technologies in Sensor Networks & IoT	Instrumentation, Measurements

Conference Technical Workshops & Tutorials

- Red Cross DST 101 & MOVE Training Opportunity
- Hands-on Introduction to FPGA
- Artificial Intelligence
- Towards Bayesian Deep Learning
- Lightweight Cryptography and IOT
- Big Data in Healthcare
- Software System Safety
- Blockchain
- Hands-on SCADA Cyber-Security
- Guided Inquiry Collaborative Learning in Cybersecurity
- Intellectual Property: Launching a New Product or Product Line? Legal Strategies to Maximize Opportunity & Minimize Risk
- Reverse Engineering Network APIs
- Future of Cyber-Security
- Algorithms for Analyzing Big Data
- Partial Discharges
- Fast-tracking Safe Autonomous Vehicles through Simulation
- GPS101



For additional information & conference registration, please visit the [SoutheastCon2019 website](http://SoutheastCon2019).