

Conference Program at a glance

Agenda	Thursday	Friday	Saturday		
(7:00am - 8:00am)	SPEAKER BREAKFAST	SPEAKER BREAKFAST	SPEAKER BREAKFAST		
Session 1 (9:00am - 10:00am)		WELCOME (EMERALD III)	WELCOME (EMERALD III)		
	<p>POWER & ENERGY TRACK KEYNOTE (EMERALD I)</p> <p>"Grid of the Future: Transforming Transmission and Distribution", presented by Christopher Root, COO (VELCO)</p>	<p>BIO-TECHNOLOGY TRACK KEYNOTE (DIAMOND II)</p> <p>"Pulling critical care into the digital age - what we have here is a failure to communicate." presented by Gilman Allen, M.D. (UVM)</p> <p>"Secrets to Successful Standards" presented by Karen Bartleson, Senior Director of Corporate Programs and Initiatives, 2016's IEEE President-Elect (SYNOPSYS)</p>	<p>SEMICONDUCTOR TECHNOLOGY TRACK KEYNOTE (DIAMOND I)</p> <p>"Status and Directions for RFCMOS Technologies" presented by David Hareme, CTO (GLOBAL FOUNDRIES)</p>	<p>MOBILE & CLOUD COMPUTING TRACK KEYNOTE (EMERALD II)</p> <p>"Cloud Computing as an Enabler for Smart Cities" presented by Wubin Li (ERICSSON)</p>	<p>MOBILE & CLOUD COMPUTING TRACK KEYNOTE (EMERALD III)</p> <p>"High efficiency RF power amplifiers in CMOS" presented by Aritra Banerjee (TEXAS INSTRUMENTS)</p>
Session 2 (10:30am - 11:30pm)	<p>PANEL SESSION (EMERALD I)</p> <p>Scientific Advances enabling Power and Energy Innovations for Smarter Cities</p> <p>Moderator: Paul Hines (UVM)</p> <p>Panelists: Josh Castongauy (Green Mountain Power), Mads Almssalkhi (UVM), Peng Zhang (University of Connecticut), Kostya Turitsyn (MIT)</p>	<p>PANEL SESSION (DIAMOND II)</p> <p>Interoperability of Medical Devices for Critical Care</p> <p>Moderator: Jason Bates (UVM)</p> <p>Panelists: Daniel Freeman (Draper Labs), Charles Miceli (UVM), Ray Folli (KCI), James Kenny (Draeger), Larry Nielsen, (Philips), Hamzeh Khazaei (IBM), Judith McCullen (IBM)</p>	<p>TECHNICAL SESSIONS (DIAMOND I)</p> <p>"Limits to CMOS Scaling", Ed Nowak</p> <p>"45nmSOI for mmWave 5G Applications", Greg Freeman</p>	<p>TECHNICAL SESSIONS (EMERALD II)</p> <p>"FPGA-based Acceleration using the Power8 Coherent Accelerator Processor Interface", Bart Blauer, Senior Technical Staff Member (IBM)</p>	<p>PANEL SESSION (EMERALD III)</p> <p>4G, 5G and IoT Technologies enabling Innovation for Smarter Cities</p>
Lunch (12:00pm)	<p>KEYNOTE (EMERALD III)</p> <p>Michael Schirling, Executive Director (BTV IGNITE)</p> <p>Stephen Barraclough, and Jeremy Patrie (BURLINGTON TELECOM)</p>		<p>KEYNOTE (EMERALD III)</p> <p>Dan Correa, Senior Advisor for Innovation Policy (OSTP)</p>		
Session 3 (1:00pm - 2:00pm)	<p>TECHNICAL SESSIONS (EMERALD I)</p> <p>"Analytics as a Tool to Improve Energy Efficiency", Greg Fanslow (VERMONT ENERGY INVESTMENT CORPORATION)</p>	<p>IEEE Standard Working Group Session I (MAPLE)</p>	<p>TECHNICAL SESSIONS (DIAMOND I)</p> <p>"TCAD Directions", Jeff J.</p> <p>"RFSOI Switch and LNA for Cellular", Randy W.</p> <p>"High-Performance SiGe for mmWave and Hi-speed Applications", Jack P.</p>	<p>TECHNICAL SESSIONS (EMERALD II)</p> <p>"Trajectory Estimations Using Smartphones", Cesar Barrios</p> <p>"API Terms and Conditions as a Service", Maja Vukotic</p>	<p>KEYNOTE (EMERALD III)</p> <p>"Real-time Analytics for Long-lifecycle Infrastructure" presented by Liang Cheng (LEHIGH UNIVERSITY)</p>
Session 4 (2:00pm - 3:00pm)	<p>TECHNICAL SESSIONS (EMERALD I)</p> <p>"Power System Simulation", Martin Belanger and Darcy La Ronde (OPAL-RT)</p>	<p>IEEE Standard Working Group Session II (MAPLE)</p>	<p>TECHNICAL SESSIONS (DIAMOND I)</p> <p>"Trends in Analog/RF Circuit Test", Tian Xia, and Mustapha Slamani</p> <p>"Ground Penetrating Radar and Mapping of Buried Utilities", presented by Dryver Huston</p>	<p>TECHNICAL SESSIONS (EMERALD II)</p> <p>"Unified User-Centric Frameworks for Web Applications", Kapil Singh</p> <p>"Performance Optimization for Cloud-based Application Servers", Yao-Min</p>	<p>TECHNICAL SESSIONS (EMERALD III)</p> <p>"Single Electron Detection at Room Temperature for Consumer Photography using a Quanta Image Sensor" Jiaju Ma and Eric R. Fossum, Thayer School of Engineering at Dartmouth, Hanover, NH</p> <p>"Integrated Cloud/On-Premise Data-Service". Avraham Leff</p>
Session 5 (3:30pm - 6:00pm)	Reception		Closing		
Social	Dinner with visiting Guests				

 Hands-on Courses

 Tutorials

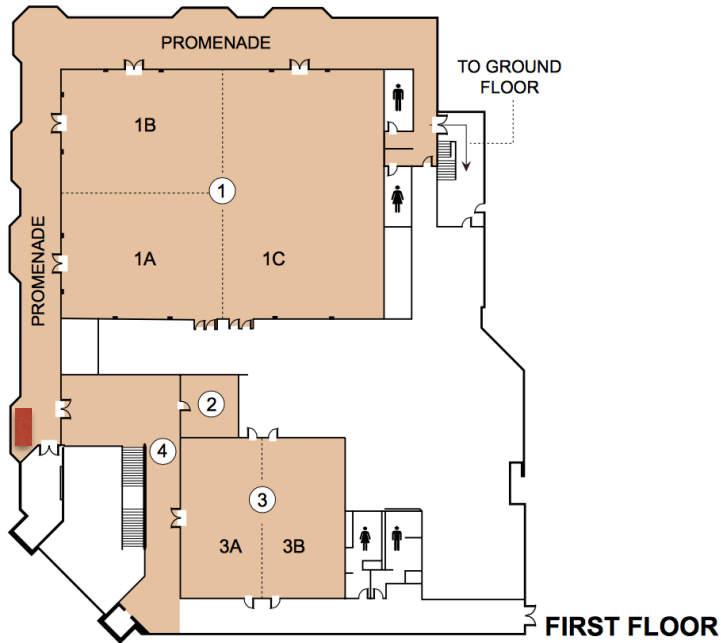
 Demonstrations and "Vermont Tech Jam Career Fair and Tech Expo"

Tutorials and Short Courses

Preliminary Program	Thursday	Friday	Saturday		
(7:00am - 8:00am)	Speaker Breakfast (SHELBURNE ROOM)	Speaker Breakfast (SHELBURNE ROOM)	Speaker Breakfast (SHELBURNE ROOM)		
Session 1 (9:00am - 10:00am)	TUTORIAL 1 (WILLSBORO)	Welcome Keynote	Welcome Keynote		
Session 2 (10:30am - 12:00pm)	<p>“Understanding LTE Advanced, Its End-to-End Road to 5G, and Self-Organizing Networks (SON)”</p> <p>Instructor: Javan Erfanian, (BELL CANADA)</p>	<p>HANDS-ON SHORT COURSE 1 (VALCOUR)</p> <p>Product-Centric Design Platform</p> <p>Instructor: Javan Erfanian, (BELL CANADA)</p>	<p>HANDS-ON SHORT COURSE 1 (VALCOUR)</p> <p>Product-Centric Design Platform</p>		
Lunch and Sponsored Session	Keynote		Keynote		
Session 3 (1:00pm - 2:00pm)	<p>TUTORIAL 1 (WILLSBORO)</p> <p>“Understanding LTE Advanced, Its End-to-End Road to 5G, and Self-Organizing Networks (SON)”</p> <p>Instructor: Javan Erfanian, (BELL CANADA)</p>	<p>HANDS-ON SHORT COURSE 1 (VALCOUR)</p> <p>Product-Centric Design Platform</p>	<p>TUTORIAL 2 (WILLSBORO)</p> <p>“Machine-to-Machine (M2M) Essentials”</p> <p>Instructor: Javan Erfanian, (BELL CANADA)</p>	<p>TUTORIAL 3 (VALCOUR)</p> <p>“App and UI Development using SWIFT”</p>	<p>TUTORIAL 4 (WILLSBORO)</p> <p>“Broadband Mobile Satellite Communication”</p> <p>Instructor: Bruce Elbert (APPLICATION TECHNOLOGY STRATEGY, LLC)</p>
Session 4 (2:00pm - 5:00pm)					
Social	Dinner with visiting Guests (6:00pm)	Reception (3:30pm - 6:00pm)	Closing		

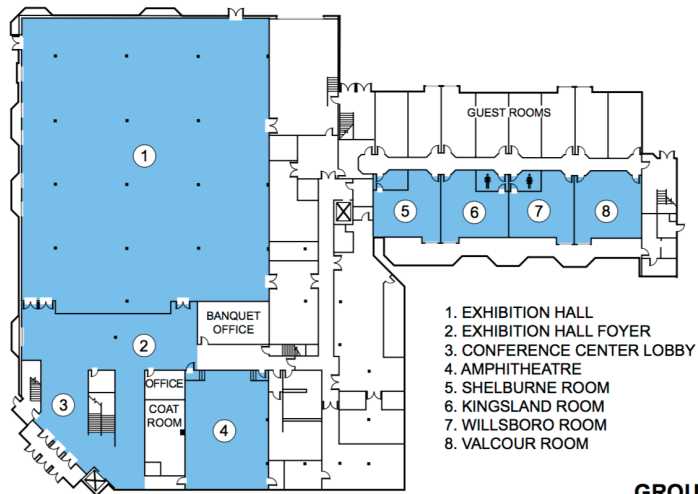
Exhibit Floors

- 1. EMERALD BALLROOM
- 1A. EMERALD BALLROOM I
- 1B. EMERALD BALLROOM II
- 1C. EMERALD BALLROOM III
- 2. CARLETON BOARDROOM
- 3. DIAMOND BALLROOM
- 3A. DIAMOND BALLROOM I
- 3B. DIAMOND BALLROOM II
- 4. DIAMOND BALLROOM FOYER



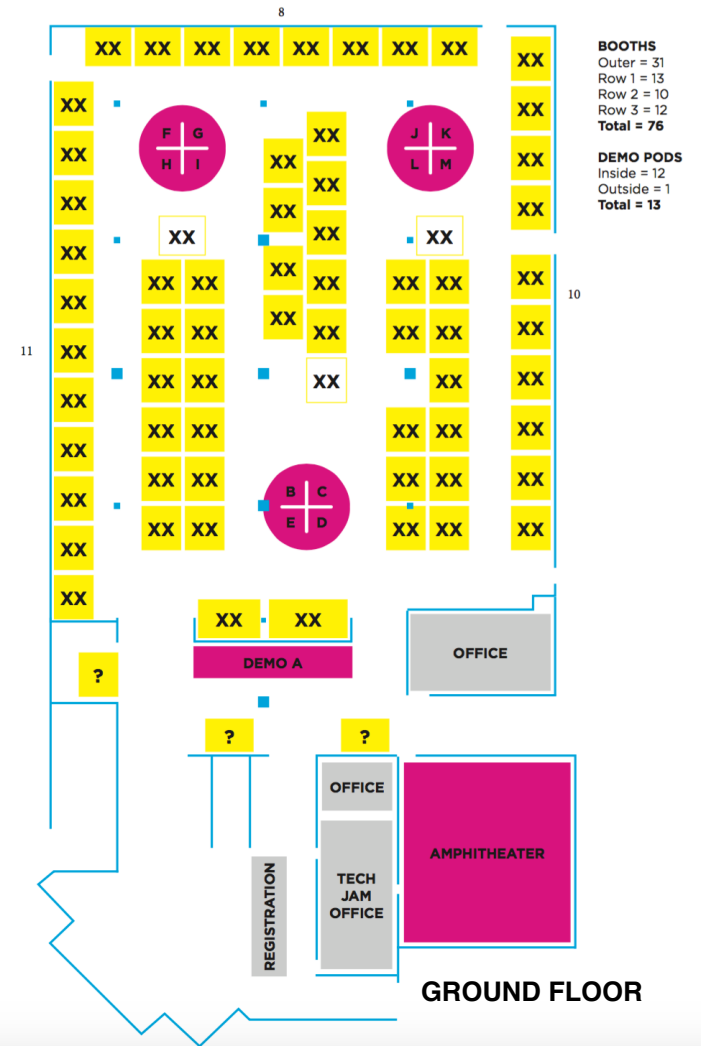
■ Registration

FIRST FLOOR



- 1. EXHIBITION HALL
- 2. EXHIBITION HALL FOYER
- 3. CONFERENCE CENTER LOBBY
- 4. AMPHITHEATRE
- 5. SHELburne ROOM
- 6. KINGSLAND ROOM
- 7. WILLSBORO ROOM
- 8. VALCOUR ROOM

GROUND FLOOR



BOOTHS
 Outer = 31
 Row 1 = 13
 Row 2 = 10
 Row 3 = 12
Total = 76

DEMO PODS
 Inside = 12
 Outside = 1
Total = 13

GROUND FLOOR