




























2017 Rocky Mountain Chapter ASHRAE Technical Conference “Adapt Today to Shape Tomorrow”

7:30-8:00	Registration				
Tracks	HVAC&R Fundamentals	HVAC&R Systems & Applications	Sustainability	Building Automation	Critical Environments
Sponsor:	Western Mechanical Solutions	CFM Company	McNevin Company	ATS	Air Purification
8:00-8:55	<p>Pumping System Fundamentals Mark Jelinske, P.E., Cator Ruma & Associates</p> 	<p>Acoustical Design and Space Planning for Sound-Sensitive Spaces Dana Houglund, Shen Milsom & Wilke</p> 	<p>People-Centric Engineering and the WELL Building Standard Tom Hootman, AIA, LEED AP, WELL AP, MKK Consulting Engineers, Inc</p> 	<p>DDC Basics Mike Harrington, P.E., Leed AP CFM Company</p> 	<p>Healthcare Topic –Chilled Beams in Healthcare Kevin Jayne, PE, LEED AP, AEI</p> 
9:00-9:55	<p>Overview of ASHRAE Standard 90.1 Sean Beilman P.E., BCER Engineering</p> 	<p>Radiant Cooling and Heating Forum-High Mass and Low Mass Approaches Devin Abellon, Uponor Michael Matzura, P.E., Zehnder-Rittling</p> 	<p>Optimizing Laboratory Controls through Fault Detection and Diagnostics Software Laura Dyas, P.E., CEM, LEED-AP, & Bryce Buchanan, P.E., CCP, CEM, Group 14 Engineering</p> 	<p>IECC 2015 Code Impact on Controls Nick Bare, Blue Ridge Technologies</p> 	<p>Case Study: Cleanroom Design – Microelectronics Facility Barry Stamp, PE, LEED AP, Director of Engineering Services, U.S. Engineering</p> 
9:55-10:25	Morning Break & Vendor Exhibits				
10:25-11:20	<p>Altitude Effects on System Design Michael Haughey, P.E., HBDP, CEM, LEED AP Silvertip Integrated Engineering Consultants</p> 	<p>Did Underfloor Air Distribution Die? Will it live Again? Chris Burroughs, Price Industries</p> 	<p>CSU New Chemistry Building-Making a fume hood intense building Sustainable Sean Convery, P.E., Cator Ruma & Associates Eric Ringold, Ambient Energy</p> 	<p>DDC Project Pre-Start Panel Paul Ruffini, P.E. RKMI; Matt Cooper, P.E., Group 14 Engineering, Jason Beu, RMH Group</p> 	<p>ASHRAE STD. 188 Legionellosis: Risk Management for Building Water Systems William D. Mele, CIEC, RCCP-SCF, Senior Engineer, Chemistry & Industrial Hygiene, Inc</p> 
11:25-12:50	<p>Lunch Break and Keynote Address: Climate disruption in the U.S.: The Fifty Shades of Climate Change, Kevin Trenberth, CGD Distinguished Senior Scientist, NCAR Climate Analysis Section</p> 				
12:50-1:15	Vendor Exhibits				
1:15-2:10	<p>Psychrometrics Michael Fulton P.E., Western Mechanical Solutions</p> 	<p>Indoor Air Quality, Air Cleaning, Energy and Maintenance Duke Wisner, Environmental Dynamics Group</p> 	<p>RMI's Net Zero Energy Innovation Center – A Case Study in Energy Efficiency and Integrated Design Craig Schiller, LEED AP, Rocky Mountain Institute</p> 	<p>Internet of Things Kirk Rabiun, P.E., Jacobs</p> 	<p>Modular Cleanroom Construction/Certification Considerations Ross Barrick, Modular Cleanrooms, Inc.</p> 
2:10-2:30	Afternoon Break & Vendor Exhibits				
2:30-3:25	<p>Fan Fundamentals Ryan Johnson, Air Purification Company</p> 	<p>Customized DX Solutions Adam Meyer, Technical Systems Inc.</p> 	<p>90.1-2016 Appendix G Updates and Fort Collins Utilities Case Study Gary Schroeder, Fort Collins Utilities Linda Morrison, P.E., Ambient Energy Sustainable Communities: Modeling, Energy, Water and Waste at Scale Peter Ellis, Big Ladder</p> 	<p>Integrated Low Voltage Systems from a GC's Perspective Paul Boucher, RCDD, LEED AP, EIT, CCSE, JE Dunn</p> 	<p>Marijuana Facilities- Codes and Standards Bruce Straughan, PE, CEM, Building Systems Expert, Robson Forensic</p> 
3:30-5:00	<p>Afternoon Technical Keynote Address And Open Bar Intelligent Buildings-Technology is changing what is possible in the built environment, Jim Vallort, ASHRAE Distinguished Lecturer</p> 				

Please note - Speakers and Topics Subject to Change – Some titles on this sheet are condensed for space purposes.