

ADVISORY BOARD FOR TRACK D



This Track includes - Transmission & Distribution; Demand and Rates, Energy Policy, Cyber Security, Power Plant conversion Technologies, Distributed Generation, Building Technologies, CHP & Grid Stability.

Monday | 1PM - 3PM

D1. ENERGY POLICY & POWER PLANTS



D1.1 DECARBONIZING POWER GENERATION BY USING HYDROGEN AS A GAS TURBINE FUEL
Michael Welch, Industry Marketing Manager, Siemens Industrial Turbomachinery Ltd.



D1.2 HRSG DESIGN WITH ONLINE MODE CHANGEOVER CAPABILITY
Hira Shaukat, I&C Engineer, Engro Fertilizers Ltd.; Bilal Afzal

Monday | 3:30PM - 5:30PM

D2. PLANT PERFORMANCE & MATERIAL HANDLING



D2.1 ADAPTING TO A NEW WORLD: THE CHANGE FROM BASELOAD TO CYCLING OPS
Una Nowling, Technology Leader, Fuels and Reliability, Black & Veatch



D2.2 ADVANTAGES OF ANNUAL CRITICAL PUMP FIELD TESTING
Kurt Schumann, President, ProPump Services, LLC; Bob Morgenstern



D2.3 GENERATOR MODEL VALIDATION USING NONTRADITIONAL GENERATOR MSRMNTS
Tariq Rahman, Principal Engineer, SDG&E; Isaac West, Kamal Garg, Schweitzer Engineering Laboratories; Hassan Ghoudjehbaklou, SDG&E



D2.4 COST AND PERFORMANCE BASELINE FOR FOSSIL ENERGY PLANTS: BIT. COAL/NG
Robert James, Engineer, USDOE/NETL; Mark Woods, KeyLogic; Marc Turner, Alex Zoelle, Leidos; Travis Shultz, Timothy Fout, USDOE/NETL



D2.5 MANAGING LOGISTICS FOR SCHEDULED OUTAGES IN POWER AND ENERGY
Angela Eliacostas, President and Founder, AGT Global Logistics

D3. ENERGY AND CYBERSECURITY



D3.1 THE NATION'S FIRST CYBER-SECURE UTILITY MICROGRID AT AMEREN
Emily LeJeune, Microgrid Applications Manager, S&C Electric Company; Tamer Rousan, Smart Grid & System Improvement



D3.2 IDENTIFYING AND MITIGATING CYBER RISK
Timothy Corbett, Founder and President, Cyber Security Service



D3.3 IGNORANCE IS NO EXCUSE: COMBUSTION SYSTEMS STANDARDS AND CODES 101
Dave Baxter, Senior Managing Director - Western US, Relevant Solutions



D3.4 BRIDGING THE DIVIDE BETWEEN OT & IT SECURITY IN THE UTILITIES INDUSTRY
Amy Williams, Vice Pres. of Cyber Services, Unlimited Technology, Inc.; Oscar Herbosa



D3.5 UTILITIES SECURITY AND OT CHALLENGES OF TODAY AND TOMORROW
Charlie Von Steffen, V.P. National Accounts, Unlimited Technology, Inc.; Oscar Herbosa

Tuesday | 7:30AM - 9:30AM

D4. T&D, UNDERGROUND UTILITIES/SUBSTATIONS, TRANSFORMERS



D4.1 THE BENEFITS OF GAS TURBINES AND ORC FOR DISTRIBUTED POWER GENERATION
Michael Welch, Industry Mktg Mgr, Siemens Industrial; Jeremy Zamzow, Opero Energy



D4.2 HOW EFFICIENT ARE THE BRAZILIAN ELECTRICITY DISTRIBUTION COMPANIES?
Sandra Xavier, Professor, Goiano Federal Institute; J.W. Marangon Lima, Federal University of Itajuba; A.L.M. Lopes, University of Minas Gerais



D4.3 SUBSURFACE INVESTIGATION METHODOLOGY
Josh Dotson, Energy Division Manager, GPRS



D4.4 LEAK DETECTION 101: THE HISTORY OF NATURAL GAS LEAK DETECTION
Bryan Chambers, International Sales Manager, Heath Consultants Incorporated

Tuesday | 10AM - 12PM

D5. ENERGY POLICY, DEMAND & RATES



D5.1 INCLUDING CUSTOMER NEEDS IN RATE DESIGN
Ted Kelly, Principal & Senior Project Manager, Burns & McDonnell



D5.2 CLIMATE ACTION AND ADAPTATION FOR THE CITY OF SAN ANTONIO
Angela Rodriguez, Director, Climate & Sustainability, CPS Energy; Doug Melnick, City of San Antonio; Danielle Vitoff, Navigant Consulting, Inc.



D5.3 IS GREEN THE NEW BLACK... THE RISE AND FALL OF NATURAL GAS?
Anthony Cirillo, Senior Project Director, AECOM



D5.4 MANAGERS' ROADMAP FOR CREATING TRUE INNOVATION IN THE ENERGY INDUSTRY
Alex Goryachev, Senior Director, Innovation Strategy & Programs, Corporate Strategic Innovation Group, Cisco Systems

Tuesday | 1:00PM - 3:00PM

D6. PROJECT FINANCE & RISK MANAGEMENT



D6.1 APPLICATION OF HAZARD AND OPERABILITY (HAZOP) ANALYSIS IN POWER PLANTS
Daniel Azukas, Project Associate, Sargent & Lundy; Jason Gerol, Ryan Krone



D6.2 BUILDING A SMARTER TOMORROW: RESILIENT BUILDING, RESILIENT GRID
Tiina Aardemae, Senior Engineer, DNV GL



D6.3 ANALYTICAL RESULT AUTOMATION FOR PROACTIVE RISK MANAGEMENT
Paul Banfer, Chief Technology Officer/Vice President, EISC



D6.4 A COMPREHENSIVE APPROACH TO RISK MANAGEMENT
Brian Payer, Strategic Operation Program Manager, Sphera



D6.5 IMPACT OF SOCIAL MEDIA ON RISK COMMUNICATIONS
Joba Ortiz, Public Involvement Manager, Burns and McDonnell; Adam Renz, Pattern Energy

Tuesday | 3:30PM - 5:30PM

D7. CHP & BUILDING TECHNOLOGIES



D7.1 ENERGY RESILIENCE IN THE BROADER BUSINESS ENVIRONMENT
Bill Kenworthy, Head of Product Strategy, Centrica Business Solutions



D7.2 ESTIMATING BUILDING ENERGY USE
Steven French, Professor, Georgia Institute of Technology; William Drummond



D7.3 OPTIMIZE ENGINE CHP WITH WASTE HEAT
Rob Emrich, Director, ElectraTherm



D7.4 DIGITAL SOLUTIONS FOR MUNICIPAL SERVICES, VIA AUGMENTED REALITY
Dimitris Agouridis, CEO, INTUS Group



D7.5 MAKING DUMB BUILDINGS SMART
Harry Sim, CEO, Cypress Envirosystems

Wednesday | 7:30AM - 9:30AM

D8. POWER PLANT TECHNOLOGIES



D8.1 DEVELOPING BEST PRACTICES FOR LONG-TERM RELIABILITY
Johnny Howze, Plant Manager, Georgia Power



D8.2 INTERNET OF THINGS - DEPLOYMENT FOR EXISTING POWER PLANTS
Harry Sim, CEO, Cypress Envirosystems



D8.3 HARDWARE UPGRADES FOR OPTIMIZING GT MAINTENANCE
Michael Dolan, Chief Engineer, HYTORC Corporation

Wednesday | 10AM - 12PM

D9. ENERGY EFFICIENCY & MANAGEMENT



D9.1 RESILIENCY ANALYSIS OF ENERGY SYSTEMS ADDRESSING ADAPTIVE MANAGEMENT
Patricia Gomez, PhD Student, University of Miami



D9.2 ELECTRICAL ENERGY MANAGEMENT IN HOUSEHOLD REFRIGERATORS AND FREEZERS
Seyed Mojtaba Sadrameli, Professor, Tarbiat Modares University; L. Abdolmaleki, A. Pivaram



D9.3 STATISTICAL REVIEW OF FOSSIL FUELS CONSUMPTION FOR DIFFERENT SECTORS
Mahsa Farzaneh, PhD Student, University of North Texas, Arash Shadlaghani, Russell Reid