



USA'S LARGEST

EUEEC **2010**

ENERGY & ENVIRONMENT CONFERENCE

FEBRUARY 1-3 | PHOENIX, AZ

ENERGY & ENVIRONMENT CONFERENCE

Policy & Legislation
Clean Air & Electric Utilities
Mercury / Air Pollution Control
Global Warming & Climate Policy
Carbon Capture & Storage
Carbon Markets & Finance
Corporate GHG Strategies
Biofuels, Biomass & Biogas
Sustainability & Reliability
Energy Efficiency & Management
Renewable Energy
Environment & Alternate Energy

PRE-PROGRAM GUIDE

2000 Attendees
650 Speakers
200 Exhibits

The 13th Annual Energy & Environment Conference & Expo

650 Expert Presentations in 12 Tracks

Track A	Policy & Regulations	pg 8
Track B	Clean Air & Electric Utilities	pg 9
Track C	Mercury / Air Pollution Control	pg 10
Track D	Global Warming & Climate Policy	pg 11
Track E	Carbon Capture & Storage	pg 12
Track F	Carbon Markets & Finance	pg 13
Track G	Corporate GHG Strategies	pg 14
Track H	Biofuels, Biomass & Biogas	pg 15
Track I	Sustainability & Reliability	pg 16
Track J	Energy Efficiency & Management	pg 17
Track K	Solar & Renewable Energy	pg 18
Track L	Environment & Alternate Energy	pg 19

Plan now to be a part of USA's largest energy & environment program.

EUEC 2010: The 13th Annual Energy & Environment Conference & Expo will host about 3,000 delegates on February 1-3, 2010 at the Phoenix Convention Center, Phoenix, Arizona.

An outstanding list of over 650 speakers will make expert presentations in 12 tracks (A through L). Each track focus on a special subject area listed on a separate page.

The timing of this year's conference brings together senior management professionals at the onset of what is likely to be an active year for energy and environmental policy particularly with the new proposed initiatives and legislation on climate change and energy independence in the United States following COP meetings in Copenhagen.

EUEC has been recognized as one of the "must attend" annual meetings in the United States for energy and environment professionals to network with experts from every major electric utility represented.

Please visit www.EUEC.com for links to register to attend, exhibit, make hotel reservations, or present a poster paper. Deadline for reduced rate registration is January 8th.

Sincerely,
Prabhu Dayal, PhD, P.E.
EUEC Chairman, P. O. Box 66076, Tucson, AZ 85728
info@euec.com 520-615-3535

Directors

 U.S. DEPARTMENT OF ENERGY Mitchell Baer	 EDISON ELECTRIC INSTITUTE John Kinsman	 ELECTRIC POWER RESEARCH INSTITUTE Ron Wyzga	 EPA Larry Kertcher	 CARBON TRADE Prabhu Dayal
---	--	---	--	---

650 Speakers Tackle Solutions for USA's Energy Independence & Reducing Carbon Emissions

1. Can we jump start the US nuclear industry to switch from fossil fuels to reduce our dependence on foreign oil and reduce global warming emissions of CO2 at the same time?
2. With 70% of imported oil used by the transportation sector, EUEC promotes hybrid and alternate fuel vehicles show cased in exhibit hall with 200 companies represented
3. Post Copenhagen impacts on US Energy Independence and Climate Change Legislation



PLENARY SESSION

The Honorable Gregory B. Jaczko - Chairman, U.S. Nuclear Regulatory Commission
Appointed by President Barack Obama on May 13, 2009, Dr. Jaczko has focused on the NRC being a decisive safety regulator with the confidence of the public.

Michael Miller - Director, Environment, Electric Power Research Institute

Brian Mclean- Director for the Office of Atmospheric Programs, US Environmental Protection

Dr. Prabhu Dayal - Chair, Energy & Environment Conference

Who Should Attend EUEC 2010?

Industry leaders and policy makers:

- Corporate energy and sustainability executives
- Renewable Energy entrepreneurs
- Marketing & Business Development professionals
- Utility and industry executives
- Professional service providers such as lawyers, accountants and consultants
- U.S. Legislators, Government agencies
- Economic development councils, municipalities, county officials, key state officials, and policy makers
- Scientists and researchers

Investors:

- Commercial & Investment banks
- Venture Capitalists and Private Equity
- Corporate and Institutional Investors
- Deal Lawyers and Consultants
- Project Developers

Decision Makers:

- Electric Utilities
- Architects/Engineers
- Co-generators/Self-generators
- Construction & Maintenance Contractors
- Fuel Suppliers
- Independent Power Producers
- Original Equipment Manufacturers
- Power Industry Consultants
- Power Plant Designers
- Project Developers
- Research and Development Organizations
- Human Resource Managers and Recruiters
- Equipment Inspection and Repair Specialists

2010 Organizing Committee

EUEC DIRECTORS



Mitchell Baer - Director, Office of Oil and Gas Analysis, U.S. Department of Energy

The Department of Energy's overarching mission is to advance the national, economic, and energy security of the United States; to promote scientific and technological innovation in support of that mission; and to ensure the environmental cleanup of the national nuclear weapons complex.



John Kinsman - Sr. Director, Environment, Edison Electric Institute

Organized in 1933, EEI works closely with all of its members, representing their interests and advocating equitable policies in legislative and regulatory arenas. In its leadership role, EEI provides advocacy, authoritative analysis, and critical industry data to its members, Congress, government agencies, the financial community and other opinion-leader audiences. EEI provides forums for member company representatives to discuss issues and strategies to advance the industry and to ensure a competitive position in a changing marketplace.



Ron Wyzga - Senior Technical Executive, Electric Power Research Institute

The Electric Power Research Institute (EPRI), is an independent, nonprofit center for public interest energy and environmental research. EPRI brings together member organizations, the Institute's scientists and engineers, and other leading experts to work collaboratively on solutions to the challenges of electric power. These solutions span nearly every area of power generation, delivery, and use, including health, safety, and environment. EPRI's members represent over 90% of the electricity generated in the United States. International participation represents nearly 15% of EPRI's total R&D program.



Larry Kertcher - Office of Atmospheric Programs, U.S. Environmental Protection Agency

EPA leads the nation's environmental science, research, education and assessment efforts. The mission of the Environmental Protection Agency is to protect human health and the environment. Since 1970, EPA has been working for a cleaner, healthier environment for the American people.



Prabhu Dayal - President, C Trade

C TRADE is a global renewable energy project development company that has constructed turnkey Clean Development Mechanism (CDM) biogas to energy projects using waste manure and biomass to capture methane biogas to produce electricity and finance using carbon credits in the Philippines and India. .

Schedule of Events*

Sunday, January 31

8:00 am - 5:00 pm	Pre-Conference Workshops
8:00 am - 7:00 pm	Pre-Registration

Monday, February 1

9:00 am - 12:00 pm	Plenary Session
9:00 am - 7:00 pm	Exhibit Hall Open
12:00 pm - 1:00 pm	Lunch Reception - Exhibit Area
1:00 pm - 3:00 pm	Technical Session - 1
3:00 pm - 3:30 pm	Refreshment Break - Exhibit Area
3:30 pm - 5:30 pm	Technical Session - 2
4:00 pm - 7:00 pm	Exhibit Hall - Open to Public
5:30 pm - 6:30 pm	Evening Reception - Exhibit Area

Tuesday, February 2

7:30 am - 9:30 am	Technical Session - 3
9:00 am - 7:00 pm	Exhibit Hall Open
9:30 am - 10:00 am	Refreshment Break - Exhibit Area
10:30 am - 12:00 pm	Technical Session - 4
12:00 pm - 1:00 pm	Lunch Reception - Exhibit Area
1:00 pm - 3:00 pm	Technical Session - 5
3:00 pm - 3:30 pm	Refreshment Break - Exhibit Area
3:30 pm - 5:30 pm	Technical Session - 6
4:00 pm - 7:00 pm	Exhibit Hall - Open to Public
5:30 pm - 6:30 pm	Evening Reception - Exhibit Area

Wednesday, February 3

7:30 am - 9:30 am	Technical Session - 7
9:00 am - 1:00 pm	Exhibit Hall Open
9:30 am - 10:00 am	Refreshment Break - Exhibit Area
10:30 am - 12:00 pm	Technical Session - 8
12:00 pm - 1:00 pm	Lunch Reception - Exhibit Area
1:00 pm - 3:00 pm	Technical Session - 9
3:30 pm - 5:30 pm	Technical Session - 10

Thursday, February 4

8:00 am - 5:00 pm	POST-Conference Workshops
-------------------	---------------------------

* Schedule Subject to Change

REGISTER ONLINE - QUICK, SIMPLE

www.euec.com

Full Conference

[Exhibit Hall, Technical Sessions, Food, Flash Drive]

Before 12/30	\$695
Before 1/15	\$795
After 1/15	\$895
On-Site	\$1,395

Government/VIP/Author/Exhibitor

[Exhibit Hall, Technical Sessions, Food, Flash Drive]

Before 1/15	\$595
After 1/15	\$695
On-Site	\$795

Limited Conference

[Exhibit Hall, Technical Sessions]

Three-Day Pass	
Pre-Conference	\$395
On-Site	\$595
One-Day Pass	
Pre-Conference	\$195
On-Site	\$395

Exhibit Hall Pass

[Exhibit Hall Access ONLY]

Before 12/31	Free
Before 1/8	\$50
Before 1/15	\$100
After 1/15	\$150
On-Site	\$195

Contact Barbara Donsky for group discount information
- info@euec.com or 520.615.3535

Register by Jan 8th for best rates!

Media Partners

Conference At-A-Glance

Conference Tracks

Monday, February 1st	Track A Policy and Legislation	Track B Clean Air and Electric Utilities	Track C Mercury/Air Pollution Control	Track D Global Warming & Climate Policy	Track E Carbon Capture Storage & Strategy	Track F Carbon Market and Finance
Chair: Mitchell Baer, DOE						
1pm - 3pm	Clean Air Act	CEMS	Large Scale Mercury Control	US Climate Policy	Carbon Sequestration	Kyoto & Carbon Markets
3:30pm - 5:30pm	EPA & Regulatory Update	Power Plant & Boiler Optimization	Mercury Control & Sorbents	US Climate Bill	CCS – Economics & Risk	GHG Cap & Trade
Tuesday, February 1st						
7:30am- 9:30am	IGCC, NEPA/EIS	Monitoring & Reporting	Activated Carbon	Energy & Economic Impacts	CCS - CO2 Capture	Corporate Strategies
10am- 12pm	NAAQS	Emission Testing & Monitoring	Multi-Pollutant Strategies	Climate International	CCS – Technologies	Finance
1pm - 3pm	New Source Review/ PSD	Opacity, Visibility & PM2.5	MACT	Climate Policy	CCS – Utilities	Trading & Offsets
3:30pm - 5:30pm	NSR & CAA	Particulate Matter Monitoring	Mercury Control & Policy	US GHG Offsets Supplies	Geological & Terrestrial Sequestration	Financial Markets
Wednesday, February 1st						
7:30am- 9:30am	Permits & Compliance	Emission Measurement Quality Management	Dry Sorbent Injection	Energy Security & Policy	CCS – Advanced Technologies	Project Financing
10am- 12pm	Permitting & Siting	Modeling	Multi-Pollutant Control	State & Regional Climate Initiatives		Managing Risk & Carbon Costs
1pm - 3pm	New Source Review/ PSD	Emerging Strategies	Mercury Measurement	SF6		
3:30pm - 5:30pm	TRI & BACT Analysis		Mercury Monitoring & Reporting			

Conference Tracks

Monday, February 1st	Track G GHG Corporate Strategies	Track H Biofuels, Biomass, & Biogas	Track I Sustainability & Reliability	Track J Energy Efficiency & Management	Track K Solar & Renewable Energy	Track L Environment & Alternative Energy
1pm - 3pm	Carbon Footprints	Algae Biomass & Plasma Technology	Energy Sustainability Assessment	Community Energy Efficiency	Feed-in-Tariff Program	Energy & Environmental Audits
3:30pm - 5:30pm	Planning for GHG Regulations	Biofuels	RPS	Energy Efficiency	Small Scale Renewable	Technologies, Strategies & Nuclear
Tuesday, February 1st						
7:30am- 9:30am	GHG Strategies	Biofuel Ethanol	Sustainability - Green	Utility-Scale Renewable Energy Integration	Concentrated Photovoltaic & Solar Power	EHS
10am- 12pm	Enterprise & Climate Change Management	Biofuels, Biogas & Biomass	Sustainability Reporting	IT Energy Efficiency & Education	PHEV: Plug-In Hybrid Vehicles	EMIS & Compliance Management
1pm - 3pm	GHG Monitoring Verification & Standards	Biogas	Sustainability	Energy Conservation & Storage	Wind	Geothermal
3:30pm - 5:30pm	GHG Inventories	Biomass – Case Studies	Reliability & Dispatch	Energy Efficiency Economics	Wind Energy	UK Pavilion
Wednesday, February 1st						
7:30am- 9:30am	Verification, Validation, Certification & Registries	Cofiring Biomass	Water Sustainability I	Energy Management	Renewable Energy Strategies	Hydrogen
10am- 12pm	VERs & RECs	Landfill Gas & RECs	Water Sustainability II	Smart Grid	Renewable Technology & Utilities	LEED-EB Green Building
1pm - 3pm	GHG Management				Solar Energy, Management & Technology	





Learn about everything “Energy and Environment” from top industry experts in over 650 technical presentations.

Track A Policy & Legislation

<p>1  Clean Air Act  2  EPA & Regulatory Update</p> <p>MON 1-3PM</p> <ol style="list-style-type: none"> Chair- Introduction to Session: Changing the Clean Air Act -- Mitchell Baer, Director, Office of Policy and International Affairs, US DOE Chair- CAIR and MACT for Electric Generators -- John Kinsman, Sr. Director, Environment, Edison Electric Institute New Source Review and the CAA - Time for a Change -- Kenneth Weiss, Principal, ERM Cleaning Up All the "Other Stuff" in The Clean Air Act -- Andrea Field, Partner, Hunton & Williams LLP Changing the Focus of Environmental Regulation -- Joel Bluestein, Sr Vice President, ICF International Revising the Clean Air Act and EPA's Air Regulations/Programs: What's on Your List? -- Todd Palmer, Attorney, DeWitt Ross & Stevens 	<ol style="list-style-type: none"> Chair- Status of EPA's 2009 Information Collection Request -- Ralph Roberson, President, RMB Consulting & Research Chair- Amended NSPS Subpart Y Regulations and Their Impact on a Coal Handler Project -- Thomas Weissinger, Principal Environmental Engineer, Constellation Energy EPA's 2009 Proposed Ozone NAAQS -- Michael Ballenger, Managing Consultant, Trinity Consultants The Things We Are Willing to Do to Get an Air Permit - BACT, MACT & PM2.5 -- William Campbell, Sr. Regional Program Manager, AECOM Environment Regulatory and Legislative Update on Interstate Transport and Multi-emissions Policy -- Daniel Chartier, Director, Environmental Markets & Air, Edison Electric Institute Shotgun Wedding: Regulating Greenhouse Gases Under the Clean Air Act -- Andrew Shroads, Senior Air Quality Specialist, SC&A, Inc. <p>MON 3:30-5:30 PM</p>
<p>3  IGCC, NEPA/EIS  4  NAAQS</p> <p>TUE 7:30-9:30AM</p> <ol style="list-style-type: none"> Chair- Environmental Impact Statement for Truckhaven Geothermal Leasing Area, Imperial County, California. -- Howard Levine, Principal Environment Planner, Ecology and Environment, Inc. Chair- Effective Citizen Involvement Revisited: Or Do I Really Need to Do This? -- John Wachtler, Sr. Consultant, Barr Engineering Company NEPA Process, Public Involvement and Minimizing the Pain -- Bill Mundt, Senior Scientist, R. W. Beck, Inc. IGCC Air Permitting: Overcoming Obstacles, Maximizing Flexibility -- John Colebrook, Senior Consultant, Trinity Consultants Quietly Complying with NEPA - Sound Studies for Power Plants -- Mary Hauner-Davis, Manager, Air/Noise Department, Burns and McDonnell Integrated Gasification Combined Cycle (IGCC) Plant Permitting -- Dwain Kincaid, Senior Environmental Consultant, Air Quality Services, LLC Requirements of the National Environmental Policy Act (NEPA) -- Joe Sullivan, Managing Consultant, Trinity Consultants 	<ol style="list-style-type: none"> Chair- Interactive Tools for All: Quarterly Tracking of SO2 Emissions for Acid Rain Program Coal-Fired Units -- Michael Cohen, Environmental Scientist, U.S. EPA, OAR OAP, CAMD Chair- Update on EPA Transport Rulemaking -- Tim Smith, Senior Air Quality Specialist, US EPA Implications of the Proposed 1-hour NO2 Standard -- Lorraine Farrell, Project Engineer, Malcolm Pirnie, Inc. NAAQS: Standard Setting, Designations, Implementation ... Evolution? -- Kurt Kissling, Attorney, Pepper Hamilton LLP NAAQS Changes and Implementation Issues for PM2.5, SO2, and NO2 -- Robert Paine, Technical Director, AECOM Environment Designations: Lessons Learned from EPA's Ozone and PM2.5 Designations -- Ga Lea Rubrecht, Member, Jackson Kelly PLLC The Short-Term NO2 Standard: Barrier to NGCC Development? -- Bruce Wattle, Chief - Air Quality Group, Ecology & Environment, Inc. <p>TUE 10-12 NOON</p>
<p>5  New Source Review/PSD 6  NSR & CAA </p> <p>TUE 1-3PM</p> <ol style="list-style-type: none"> Chair- Don't Stumble Through the Minefield: A Step-by-Step Process for Utility Owners to Guide Proposed Projects at Their Plants Through New Source Review Considerations -- Brian Petermann, Manager, Air Quality & Environmental Dept., Segal Chair- The Alternatives Analysis Under Nonattainment NSR -- Russell Bailey, Principal Consultant, Trinity Consultants NSR and PM2.5 - A Practical Approach for the Air Permitting Process -- Tim Hillman, Senior Air Permitting Specialist, Black & Veatch Avoiding New Source Review for Gas Turbine Plant Modifications and Upgrades -- Joseph Macac III, Principal Consultant, Mostardi Platt Environmental EPA's Proposed GHG Tailoring Rule -- Joe Sullivan, Managing Consultant, Trinity Consultants Current Trends in Settlement of New Source Review Claims and Consent Decree Implementation -- Liz Williamson, Of Counsel, Winston & Strawn LLP 	<ol style="list-style-type: none"> Chair- Recent Developments in NSR -- Gary McCutchen, Principal, RTP Environmental Chair- PM2.5 NSR - New Challenges for Utilities -- Kenneth Weiss, Principal and Director of Air Services, ERM Clean Air Act Aback? An Update -- Peter Belmonte, Sr. Regional Program Manager, AECOM NSR Litigation - A View From the Trenches -- Samuel Boxerman, Partner, Sidley Austin LLP Implications of Proposed SO2 Standard on NSR Permitting -- David Cabe, Principle Engineer, Zephyr Environmental Corporation Clean Air Act Citizen Actions - The Next Generation -- Kent Mayo, Special Counsel, Baker Botts LLP When Does NSR Apply? -- Routine Maintenance, Excluded Emissions and Other Sources of Uncertainty -- Steve Zervas, Senior Engineer, Arcadis <p>TUE 3:30-5:30 PM</p>
<p>7  Permits & Compliance  8  Permitting & Siting</p> <p>WED 7:30-9:30AM</p> <ol style="list-style-type: none"> Chair- How Electric Power Companies Can Influence the PM2.5 and Ozone SIPs Being Developed to Attain the NAAQS -- Howard Ellis, President, Enviroplan Consulting Chair- Permitting and Compliance in the Age of "Reconsideration" -- Eric Hiser, Partner, Jordan Bischoff & Hiser, PLC Commercializing Energy Technology Through Standards Development -- John Koehr, President, ASME Standards Technology, LLC Complying with NPDES Permit Revisions at NPPD's Sheldon Generating Station -- Terry Larson, Project Manager, Burns & McDonnell Shut-down Avoidance Measure (SAM) -- Carrie MacDougall, Client Service Manager, CH2M Hill Determination of Design-Basis Events Using a Probabilistic Evaluation Approach in Preparing a Combined License Application for a New Nuclear Power Plant -- Mary Richmond, Environmental Engineer, Bechtel Power 	<ol style="list-style-type: none"> Chair- Streamlining Permitting for Renewable Energy and Transmission Involving Federal Lands -- David Batts, Principal, EMPSI Chair- Preparing for the Challenge of Compliance with Environmental Laws In Permitting and Siting Transmission and Production Facilities on Federal Lands -- Laur Smith Morton, Senior Counsel, Fulbright & Jaworski, LLP New Coal-Fire Generation: Proactively countering the disinformation process -- Joab Ortiz, Senior Public Involvement Specialist, Burns & McDonnell Engineering, Inc. Bridging the Old and New Energy Economies -- Elaine Porter, Vice President, Tetra Tech Offshore Air Permitting Issues -- Todd Tamura, Consultant - Energy Programs, Tetra Tech EC, Inc. Resource Assessment and Site Selection For Hydrokinetic Energy Projects -- Thomas Yonge, Project Manager, Camp, Dresser, & McKee <p>WED 10-12 NOON</p>
<p>9  Permits & Case Studies 10  TRI & BACT Analysis  ELECTRIC POWER RESEARCH INSTITUTE</p> <p>WED 1-3PM</p> <ol style="list-style-type: none"> Chair- Lessons in Defense of a Title V Permit -- Gale Hoffnagle, Senior Vice President, TRC Environmental Corporation Chair- Title V -- The New Enforcement Sword: Limiting NSR Legacy Concerns and Other Permit Surprises -- Mark Thimke, Attorney, Foley & Lardner LLP A Successful Air Permitting Strategy for the Addition of Alternative Fuels to a Utility Boiler -- John Caudell, Senior Environmental Consultant, Fishbeck, Thompson, Carr and Huber, Inc. New Source Review Permitting for an Intermediate Mid-Merit Simple-Cycle Electric Generation Facility in New Jersey: Balancing Electric Load Demand With Environmental Regulation -- Lysa Modica, Senior Project Manager, AMEC Underground Coal Gasification: Permitting Your Project -- Tom Lindley, Chair, Environment & Resources Practice; Co-chair, Cleantech Group, Perkins Cole, LLP Complying With FGD Wastewater Discharge Regulations for Metals -- Michelle Briscoe, Vice President, Brooks Rand Labs 	<ol style="list-style-type: none"> Chair- Updated Power Plant Air Toxics Risk Assessment -- Leonard Levin, Technical Executive, Electric Power Research Institute Chair- The Transition to ECMPs - A Look Back, and Lessons Learned -- Bob Farmer, Program Director - Air Quality, Environmental Resources Management (ERM) CO2 Bact Analysis & Redefinition of the Source -- Thomas Emmel, Senior Project Manager, RTP Environmental Associates, Inc. Streamlining the Preparation of Annual Toxic Release Inventory Program Reports -- Ju Yang, Consultant, Trinity Consultants <p>WED 3:30-5:30 PM</p>

Track B

Clean Air & Electric Utilities

1  **CEMS** 

1. Chair- Relative Accuracy of the Calculated Method Versus the Determination Method in Measuring NH3 Slip -- Walter Bastron, VP of Business Development, Custom Instrumentation Services Corporation (CISCO)


2. SO3 Measurement Using a QCL CEMS -- Dieter Kita, R&D Director, Thermo Fisher Scientific

3. Recent Developments in FTIR for Stack Emissions and CEM Monitoring Within the Power Generation Industry -- John Lake, Business Development Manager, MKS

4. CEMS Umbilical Handling & Installation -- Keith Spalsbury, Business Development Manager, Parker Hannifin

5. Alternative Approaches to Continuous Compliance Monitoring for Gas Turbines Under 40 CFR Part 60 and Part 75 regulations -- Brian Swanson, President, CMC Solutions

6. Clear Advantages of Digital Connectivity for CEM Systems -- Jeremy Whorton, Power Industry CEMS Product Manager, Thermo Fisher Scientific

3 **Monitoring & Reporting** 

1. Chair- Trends in Sulfur and Nitrogen Pollutants and Ozone Throughout the U.S. -- Thomas Lavery, Senior Program Manager, Kleinfelder



2. Continuous, Long Term Monitoring of Ultrafine Particles in Urban Air -- Marcus Gaelli, Sr. Product Specialist, TSI Incorporated

3. AirDat: Improved Weather Forecasting -- Bruce Lev, Vice Chairman, AirDat

4. Directional Air Quality Measurement -- Gavin Smith, Director, Lancaster University Business Enterprise Ltd

5. Easy Collection and Access to Spatial Data -- Brad Tatham, GIS Mobile Solutions Analyst, GIS Services

6. Hassle Free Reporting Software Replacement -- Jim Toolen, Sales Manager, Trace Environmental Systems

5  **Opacity, Visibility & PM2.5** 

1. Chair- Chair -- Judy Chow, Research Professor,

2. Chair- Opacity Options, Complications and Costs -- Tom Rose, President, Eastern Technical Associates


3. Digital Opacity Measurement -- Shawn Dolan, Senior Solution Engineer, Virtual Technology

4. Distance and Opacity -- Arthur Eberle, CEO Compliance Assurance Associates, Inc, Compliance Assurance Associates, Inc.

5. Uncertainty in Estimating PM2.5 Emissions from Gas-Fired Combined Cycle and IGCC Power Plants -- Glenn England, Principal Consultant, ENVIRON International Corporation

6. PM2.5 Modeling in New Source Review Permitting: What Do We Do? -- Justin Fickas, Sr. Engineer, MACTEC Engineering and Consulting, Inc.

7. The New PM10 Surrogacy Test for PM2.5 -- Finding Out What We Don't Know -- Ken Hiltgen, Air Quality Manager, MACTEC Engineering and Consulting

7 **Emission Measurement Quality Management:** 

1. Chair- Using Control Chart Methodology to Identify CEMS Sample Transport Problems -- Mark Shell, Chief Technology Office, ESC



2. Tracking and Predicting Emissions Compliance using PowerPlantMD -- April Anderson, Project Manager, Black & Veatch

3. Wet Scrubber Mist Eliminator Performance Testing with a Video Droplet Analyzer -- Kenneth Cushing, Manager, Environmental Field Services, Southern Research Institute

4. Determining the Accuracy of SO3/H2SO4 Measurements: Development of a Field Spiking Procedure -- Daniel Roesler, Research Engineer, Clean Air Engineering

5. Assessment of SO2 Emissions Control Achieved in Practice During Start-Up and Shut-Down -- Carl Weiler, Principal APC Engineer, Burns & McDonnell

6. Improving Flow Measurement with OFS and Activator -- Donald Williams, Executive VP, Optical Scientific, Inc.

9  **Emerging Strategies** 

1. Chair- Low Cost SO2 Emission Control for Small Utility Boilers -- Melissa Sewell, New Business Manager, Lhoist North America



2. Chair- Efficiency Improvements and Operational Cost Reductions of a Dual Loop WetFGD Scrubber at Muscatine Power & Water Using TwinAbsorb® Nozzle Technology -- Robert Van Durme, Senior Account Manager - WetFGD, Lechler Inc.

3. Effective Particle Control -- Tom Anderson, Vice President, Pleated Products, Midwestco Filter Resources, Inc.

4. Impact of Load Changes on Flue Gas Injection Control -- Jeffery Russell, Engineer, MPR Associates, Inc.

5. Next Generation Wet Electrostatic Precipitators -- Hardikkumar Shah, Applications (Mechanical) Engineer, Southern Environmental, Inc.

6. Catalytic Activated Dust Filters -- Joakim Reimer Thøgersen, Principal Research Engineer, Haldor Topsoe A/S

2  **Power Plant & Boiler Optimization** 

1. Chair- Optimize Your Boiler Draft Systems -- Allen Ray, Director - Air & Gas Handling Group, Process Barron



2. Chair- Boiler Improvements Through Zonal™ Combustion System Application -- Neil Widmer, Sr. Product Manager, GE Energy

3. Characteristics of Biomass Combustion -- Ned Dye, President, Jansen Combustion and Boiler Technologies, Inc.

4. Boiler Optimization using Historical Performance Data (Data Mining) -- Thomas Hill, VP Analytic Solutions, StatSoft Power Solutions

5. Using PEMS Knowledge to Reduce Emissions by Optimization -- Richard Hovan, Manager, Environmental Solutions, Pavilion Technologies

6. Optimizing Combustion Process Reduces Nox Beyond Guarantee Level -- Jeff Williams, Director, Emerson

4  **Emission Testing & Monitoring** 


1. Chair- Designing Emission Testing Programs to Evaluate Alternative Fuel Firing -- Glen Capra, Client Service Manager, Weston Solutions, Inc.

2. Chair- Progress on a New ASTM Method for SO3/H2SO4 Measurement -- Scott Evans, Senior VP, Consulting and Climate Services, Clean Air Engineering

3. Tunable Diode Laser NH3 Monitoring -- Ken Greaves, National Sales Manager, CEMTEK Environmental

4. Performing A Successful Air Emissions Test -- James Guenthoer, Sr. Project Manager, Golden Specialty, Inc.

5. Data Aggregation Implementation -- Preston Wills, Engineer, ESC

6  **Particulate Matter Monitoring**

1. Chair- Chair -- John Watson, Research Professor,

2. Chair- A Beta Gauge Continuous Particulate Monitor -- Rich Brown, Product Manager, Altech Environment U.S.A.

3. PM Spiking for PM CEMS Calibration -- Robert Baxter, President, B3 Systems, Inc.



4. PM2.5 Emissions and the Proposed Test Method for Condensable -- Kevin Crosby, Technical Director, The Avogadro Group, LLC

5. Development of Oxy-Burner Retrofit Principles for Existing Coal-Fired Utility Boilers -- Andrew Fry, Senior Engineer, Reaction Engineering International

6. Particulate Measurement Using a Hybrid CEMS -- Kevin Goohs, Senior Project Leader, R&D, Thermo Fisher Scientific, Inc.

7. Advances in Scatter Light Technology and the Measurement of Particulate Matter -- Dan Kietzer, Environmental Market Manager - North America, SICK Process Automation

8. Proposed Revisions to EPA Methods 201A and 202: Considerations and Nuances -- Daniel Todd, President, Air Quality Services, LLC

8  **CEMS II** 

1. Chair- Best Practices for Reducing Compliance Risks for Continuous Emission Monitoring Systems -- Dave Bradley, Client Services Director, IHS



2. Chair- The Use of Fourier Transform Infrared (FTIR) Specifically for Conducting EPA Methods 6C, 7E, and 10...Can it be Done? -- Scott Swiggard, President, Golden Specialty, Inc.

3. Greenhouse Gases -- Kim Scarborough, Senior Regulatory Specialist, ESC

4. Quantifying the Interference Effect on RATA Analyzers for Gas Phase Species Typical to CEMS Applications -- Stephen Toner, Senior Chemist & Development Engineer, Teledyne Advanced Pollution Instrumentation

5. Are You Over-Reporting Your CO2 Emissions? -- Stephen Norfleet, Senior Engineer, RMB Consulting & Research

6. Increased CEMS Accuracy with Custom Dilution Probe Modifications -- Scott Brown, Manager, Sample Conditioning Systems, Perma Pure

10  **Modeling** 

1. Chair- Is Aermod/Prime Over-Predicting for Short Buildings With a Large Footprint? -- Ron Petersen, Vice President, CPP, Inc

2. Chair- Modeling and Forecasting Air Quality Impact of a Combined Cycle Power Plant -- Attilio Poli, President, Environmental System Analysis

3. Modeling Economic and Electric System Reliability Impacts of Environmental Policies -- Matthew Bingham, Principal Economist, Veritas Economic Consulting

4. Unique Air Dispersion Modeling Approach for National Forest Service Oil & Gas Leasing Evaluation -- Erin Hallenburgh, Division Manager, JBR Environmental

5. Avoid a Challenge To Your Air Permit: Choose the Right Off-Site Meteorological Data -- Jeremy Jewell, Managing Consultant, Trinity Consultants

6. Climate Change Impacts on Ecosystem Area, Carbon Storage, Runoff and Fire within the Northern Rocky Mountain Region of the United States -- Guy Pinjiv, Post-Doc Research Acco, Post-Doctorate Research Associate at OSU and CEO of Ptarmigan Forestry & Carbon Consulting LLC

7. Direct Use of Hourly Wind Tunnel Simulations for Permitting Applications: Validation Against Field Database -- Ron Petersen, Vice President, CPP, Inc.

MON 1-3PM

TUE 7:30-9:30AM

TUE 1-3PM

WED 7:30-9:30AM

WED 1-3PM

MON 3:30-5:30 PM



TUE 10-12 NOON

TUE 3:30-5:30 PM

WED 10-12 NOON


WED 3:30-5:30 PM

Track C Mercury / Air Pollution Control

1  **Large Scale Mercury Control** 



MON 1-3PM

1. Chair- Bromine Based Mercury Abatement - Applications in Europe and USA - Possible Co-Benefits in China -- Bernhard W. Vosteen, President, Vosteen Consulting GmbH
2. Chair- Full-Scale Test Results Using Alstom's KNX™ Technology for Mercury Emissions Control -- Michael Rini, Technology Manager, Alstom Environmental Control Systems
3. Full Scale Testing of a Novel Mercury Control Strategy -- Philip Elliott, Project Manager, Evonik Energy Services LLC
4. The Gulf Power Mercury Research Center -- April Sibley, Research Engineer, Particulate Control Technologies, Inc./Southern Company Services
5. Bromine Production and Injection System for Hg Mitigation at Coal-Fired Power Plants -- Thomas Gale, Manager, Power Systems Research, Southern Research Institute
6. Enhanced Mercury Oxidation (EMO™) -- Bobby I.T. Chen, Client Program Manager, Shaw Environmental & Infrastructure

2 **Mercury Control & Sorbents** 

MON 3:30-5:30 PM

1. Chair- SiO₂ and Fly-Ash Effects on the Efficacy of MinPlus Sorbent for Hg Capture -- Joep Biermann, Head R&D, MinPlus B.V.
2. Chair- Evaluation of Mercury Control Options for a Circulating Fluidized Bed Combustor -- Brydger Van Otten, Reaction Engineering International
3. Specifications for Mercury Sorbents -- Ron Landreth, Business Development Manager, Albemarle Corp.
4. Silica-Titania Coated Packing: A Novel Solution Capable of 90% Hg Capture with Low O&M Costs -- Anna Casasús, Research and Development Director, Sol-gel Solutions, LLC
5. Surprises in Starting Up ACI Systems -- Jon Miller, Engineering Supervisor, Albemarle Corp.
6. Improved Method for Mercury Capture With Activated Carbon Sorbents -- Srinivasachar, President, Envergen LLC

3  **Activated Carbon** 

TUE 7:30-9:30AM

1. Chair- Application of Combustion Optimization Techniques to Optimize Mercury Emissions Reduction via Activated Carbon Injection -- Robert Newell, Environmental Regional Sales Manager, GE Environmental Services
2. Operational Experience with Installing a Powdered Activated Carbon System on an Explosive Waste Incinerator -- Thomas Busmann, Manager, Process Engineering, Focus Environmental Inc.
3. Chair- Evolution of ACI System Design Through Lessons Learned -- Wayshalee Patel, Environmental Consultant, Sargent & Lundy LLC
4. ACI System Design Considerations -- What Have We Learned Since 2005? -- Travis Starns, Manager of Emissions Control Systems Projects, ADA Environmental Solutions
5. Avoiding Activated Carbon Fires -- Daryl Lipscomb, Commercial Development Manager, Albemarle Corp.
6. Advantages of Wood-Based PACs -- Sharon McGee, Division Vice President, Albemarle Corp.
7. Design and Development of a Modern Activated Carbon Production Facility -- Marilyn Treacy, Vice President Sales and Marketing, ADA Carbon Solutions

4  **Multi-Pollutant Strategies** 

TUE 10-12 NOON

1. Chair- A Cost-Competitive Process to Allow the Use of PAC-Containing Ash in Manufacturing Concrete -- Jean Bustard, Chief Operating Officer, ADA Environmental Solutions
2. Laboratory and Field Testing of New Innovative Concrete Compatible Sorbents for Hg Capture from Coal-Fired Utility Flue Gas. -- Rob Nebergall, Business Manager, Emission Control Technologies, Norit Americas, Inc
3. Pre-APH Injection of Hydrated Lime for SO₃ Removal: Conclusions from an Eight Week Trial -- Curt Biehn, Technical Sales & Service Engineer, Mississippi Lime Co.
4. 21st Century Design ESP - Synergism of Old and New Concepts -- Mick Chambers, Director of Precontract Operations, Southern Environmental, Inc.
5. Preserving Ash Sales While Injecting Carbon for Mercury Control: Recent Results and Issues -- Marty Dillon, Project Manager, ADA Environmental Solutions
6. Modeling the Impact of New Power Plant Emissions on Urban Ozone Levels in South Texas -- Kuruvilla John, Associate Dean of Research and Graduate Studies, University of North Texas

5  **MACT** 

TUE 1-3PM

1. Chair- Multi-Pollutant Gaseous Control With Unique Recycle/Circulating Fabric Filter System -- Anne Minga, Environmental Engineer, Kuttner LLC
2. Chair- The Additional Benefit of Mercury Control Using Spray Dry Absorber/Baghouse Air Pollution Control Technology -- Robert Saikaly, Scientist, CDM
3. Mercury Control With MACT: Options to Improve the Effectiveness of Carbon Injection -- Tom Campbell, Manager, Field Demonstrations, ADA Environmental Solutions
4. Effects on Halogen Addition and Flue Gas Conditions on SCR Catalyst Mercury Oxidation and FGD Removal -- Alejandro Jimenez, Deliverable Manager, EPRI
5. The New Face of Oncoming MACT Standards -- Carrie Yonley, Vice President, Schreiber, Yonley & Associates

6  **Mercury Control & Policy** 

TUE 3:30-5:30 PM

1. Chair- Co-Benefits of Mercury Control for Other Air Toxics -- Sid Nelson Jr., Global Business Director, Mercury Controls, Albemarle Corp.
2. Chair- It's Not Just Mercury Any More -- Michael Rossler, Manager, Environmental Programs, EEI
3. Reliable Demonstration Testing of Dry Sorbents for Multi-Pollutant Emissions -- Pramodh Nijhawan, Executive Vice President, Industrial Accessories Company
4. Global Anthropogenic Emissions of Mercury and Their Future Scenarios -- Jozef Pacyna, Professor, NILU
5. Controlling More Than Mercury: Past Results and Future Prospects -- Constance Senior, Manager, Engineering R&D, Reaction Engineering International
6. Designing and Implementing Successful Information Collection Request Emission Testing Programs -- Natalie Vaught, Associate Project Scientist, Weston Solutions, Inc.

7  **Dry Sorbent Injection** 



WED 7:30-9:30AM

1. Chair- A Better Alternative to SO₃ for Conditioning Electrostatic Precipitators -- Yougen Kong, Technical Development Manager, Solvay Chemicals Inc/ Southern Company
2. Chair- Improvements in Sorbent Injection Reliability for SO₃ Mitigation -- Jeff Wilson, Research Engineer, Southern Company
3. SO₃ Measurement for Control of Dry Sorbent Injection -- Chetan Chothani, VP, Breen Energy
4. Dry Sorbent Injection for SO₃ Removal at SCR Inlet -- Jon Norman, Duct Injection Technology Manager, United Conveyor Corporation
5. Dry Sorbent Injection-Operating Experiences & Lessons Learned -- Jerry VanDerWerff, National Sales Manager, Sorb-N-Ject Technology, Nol-Tec Systems, Inc.
6. The Influence of Dry Sorbent Injection on Mercury Control -- Mike Widico, Vice President Business Development, Clyde Bergemann EEC

8  **Multi-Pollutant Control** 



WED 10-12 NOON

1. Chair- Emerging Technology for Mercury / Air Pollution Control on the Emissions of a Coal Fired Boiler -- Bradley Ginger, Engineering Product Manager-Renewable Technologies, EISENMANN Corporation
2. Chair- Why FRP in the Power Industry -- Pete Honeycutt, Manager Process/AQCS, Kiewit
3. Status of the Boswell Energy Center Unit 3 Environmental Improvement Project -- Karen Burchardt, Senior Environmental Engineer, Bums & McDonnell
4. Alstom's Next Generation of FGD Spray Towers For Low Emissions -- Raymond Gansley, Product Development Engineer, Alstom Power
5. Enhanced Plant Performance via Effective SO₃ Control -- Sterling Gray, Manager, SBS Injection Technology, URS Corporation
6. Multipollutant Removal With WOWClean® Systems -- Mario Romero, President & CEO, WOW Energies
7. Gasification of Lignites to Produce Liquid Fuel, Hydrogen and Power -- Joshua Stanislawski, Research Manager, Energy & Environmental Research Center

9  **Mercury Measurement** 

WED 1-3PM

1. Chair- Certification of Mercury Monitoring Systems at Low Levels Using EPA Method 30B -- Timothy Rodak, Senior Project Manager, Clean Air Engineering
2. Chair- Atmospheric Modeling of Mercury and Arsenic -- Krish Vijayaraghavan, Project Manager, Atmospheric & Environmental Research (AER), Inc.
3. Modified US EPA Mercury Speciation Method -- Reference Method for Measuring Hg Speciation in Combustion Flue Gas -- Robert Brunette, Scientist/Senior Manager, Frontier Geosciences Inc
4. Strategies for Mercury Measurement at Extremely Low Concentrations Using EPA Method 30B -- Jeffrey Burdette, National Practice Leader, TRC Environmental Corporation
5. Thermo Scientific Guidance on Recertification and Diagnostic Events for CVAF Mercury CEMS -- Jeremy Whorton, Power Industry CEMS Product Manager, Thermo Fisher Scientific
6. Mercury CEMS: Reliable Measurements While Controlling at MACT-Levels -- Erik Zipp, Engineer II, ADA Environmental Solutions

10  **Mercury Monitoring & Reporting** 

WED 3:30-5:30 PM

1. Chair- Novel Carbon Mercury Sorbent for High SO₃ Applications -- Nicholas Pollack, Director of Business Development, Calgon Carbon Corporation
2. Chair- Comparison of Field Portable Mercury Monitor With Sorbent Traps at the Stack, A Modified Method 30A -- Joseph Siperstein, President, Ohio Lumex Company
3. Performance of Mercury CEMS at North American Coal-Fired Power Plants -- John Kay, Research Manager, Energy & Environmental Research Center
4. What's Changing in Mercury Monitoring and Reporting -- Josh Korth, Senior Regulatory Specialist, ESC
5. Lessons from Mercury CEMS -- Ravi Narayan, General Manager, Cemtrex Inc

Global Warming & Climate Policy

1 US Climate Policy



- Chair- Technology Must Play to Mitigate Climate Change** -- Frank Princiotta, Director, Air Pollution Prevention and Control Division, USEPA
- Border Adjustment Measures in Climate Change Legislation** -- Paul Gutermann, Partner and Head of Climate Change Practice, Akin Gump Strauss Hauer & Feld LLP
- Emissions Trading and Cost Containment** -- David Harrison, Senior Vice President, NERA Economic Consulting
- Analysis of Market Penetration of Renewable Energy Alternatives Under Uncertain and Carbon Constrained World** -- Ozge Kaplan, Research Fellow, US EPA
- How Offsets Fit in a Compliance Strategy** -- Megan Ceronsky, Associate, Van Ness Feldman

MON 1-3PM

2 US Climate Analysis



- Chair- Administrator Jackson's New Air Enforcement Initiative** -- Day Holloway, Partner, Winston & Strawn LLP
- Chair- CO2 legislation's long shadow** -- Block Andrews, Strategic Environmental Solutions Director, Burns & McDonnell
- Status and Outlook for U.S. GHG Regulation** -- Joel Bluestein, Sr Vice President, ICF International
- US Climate Change Policy: Implications for Competitive Strategies** -- Mike Radcliffe, Director - Midwest Region, FirstCarbon Solutions
- EPA, Regions Announce "Get Tough" Policy** -- David Tripp, Partner, Stinson Morrison Hecker LLP

MON 3:30-5:30 PM

3 Energy & Economic Impacts



- Chair- The Opportunity to Improve the Efficiency of the Existing Coal-fired Power Plant Fleet** -- Chris Nichols, Analyst, U.S. DOE, NETL
- Chair- The Clean Energy Landscape- Linking Cyberspace With Real World Impact** -- Alison Wise, Senior Strategic Analyst, National Renewable Energy Laboratory
- Green Collar Jobs in the US: Economic Driver for the 21st Century** -- Brad Collins, Executive Director, American Solar Energy Society
- Climate Vulnerability and Industrial Capitalism** -- Keith Lockitch, Fellow, Ayn Rand Center for Individual Rights
- US Climate Change Policy -- Impacts, Benefits and Opportunities for the Energy Sector** -- Jeannie Renne-Malone, National Director, GHG/Climate Services, HDR

TUE 7:30-9:30AM

4 Climate International



- Chair- Copenhagen** -- The Aftermath -- Paul Singarella, Partner, Latham & Watkins
- Chair- Gaps Between the 2009 Copenhagen Climate Agreement and U.S. GHG Legislation as of Early 2010** -- Andy Van Horn, Managing Director, Van Horn Consulting
- The Development of a North American Emissions Trading System Lessons Learned** -- Barbara Hendrickson, Lawyer, University of Toronto Carbon Finance Program
- Outcomes from COP-15: The Role of International Forestry Credits & Implications for US Offset Supply** -- Brian Shillinglaw, Manager, Policy & Regulatory Affairs, New Forests Advisory Inc
- Climate-Gate and Implications in US Legislation** -- William Sprigg, Professor, University of Arizona

TUE 10-12 NOON

5 Climate Policy



ELECTRIC POWER RESEARCH INSTITUTE



- Chair- Preparing for the Transition to a Carbon Constrained Society: Legal Requirements and Risks** -- Roger Martella, Partner, Sidley Austin
- Chair- Waxman-Markey** -- Tom Wilson, , EPRI
- Confronting Climate Change at the Community Level: Proven Policy Approaches for Local Governments** -- Judith Barry, Principal, Noblis, Inc.
- The Role of Alternative Energy in Carbon Emissions Mitigation Under Various Technological Settings** -- Caroline Chapman, Energy Analyst, National Renewable Energy Laboratory
- How the US Can Lead the World to Reduce Global GHG Emissions** -- Stephen Sewalk, Professor, University of Denver / University of Colorado
- U-Haul Climate Stewardship** -- Allan Yang, Director of Corporate Sustainability, U-Haul International

TUE 1-3PM

6 US GHG Offsets Supplies



ELECTRIC POWER RESEARCH INSTITUTE



- Chair- The Key Role of Greenhouse Gas Offsets in Evolving U.S. Climate Policy** -- Adam Diamant, Senior Project Manager, Global Climate Program, Electric Power Research Institute
- Chair- Access to offsets under a US cap and trade program** -- Gregory Singleton, Senior Analyst, Point Carbon
- A Trader's Perspective on the Role of GHG Offsets in a US Federal GHG Emissions Cap and Trade System** -- Martin Gitlin, Managing Director, Carbon Credits USA, Noblis Carbon Credits Limited
- Terrestrial Offsets in the Emerging Carbon Market** -- Dick Kempka, VP Environmental Markets, Equator, LLC
- The Role of Offsets in US Compliance Markets & Developing Accounting Methodologies** -- Brian Shillinglaw, Manager, Policy & Regulatory Affairs, New Forests Advisory Inc
- Is REDD (Avoided Deforestation) the Mitigation Solution for the U.S. Electric Sector?** -- Mark Trexler, Director, Climate Markets and Strategies, DNV Climate Change Services North America

TUE 3:30-5:30 PM

7 Energy Security & Policy



- Chair- Energy Addiction: Why it's Bad, How to Deal With it** -- David Kerner, Senior Science & Technology Policy Advisor, The Tauri Group, LLC
- Chair- Energy Cyber Security** -- Donald McMonagle, Vice President, Raytheon Missile Systems
- Cyber Secure ATaRS for Smart Grid Actionable Intelligence** -- Alex Dely, Contracts Manager, Raytheon Missile Systems
- The Role of Coal in a Carbon Constrained World** -- Ned Leonard, VP Technology Policy, American Coalition for Clean Coal Electricity
- Current Status and Outlook for Renewable Energy, With an Emphasis Upon Biomass** -- Fred Mayes, Senior Technical Analyst, Energy Information Administration

WED 7:30-9:30AM

8 State & Regional Climate Initiatives



ELECTRIC POWER RESEARCH INSTITUTE



- Chair- AB 32 and its Affect on Carbon Goals for The Built Environment** -- Brad Miller, Principal/President, Environmental Concepts Company
- Chair- CO2 Capture and Sequestration: Developing a Regulatory Strategy for New York State** -- George Rusk, Vice President, Ecology & Environment
- The Role of Energy Trust of Oregon Incentives in the Design Process** -- Amy James, Mechanical Designer, Mazzetti Nash Lipsey Burch
- Climate Change Adaptation Planning** -- Sandra Miranda, Western Region Manager Climate Change Services, SAIC
- Setting an Example: A Look at Maryland's Energy and Climate Change Initiatives** -- Brandie Sebastian, Associate Engineer, Environmental Resources Management
- Thinking Ahead** -- Evolution of Electric Power Legislation in Maryland -- Edward M. Simek, Partner, Environmental Resources Management (ERM)

WED 10-12 NOON

Track E Carbon Capture Storage & Strategy

1 **Carbon Sequestration**

MON 1-3PM

- Chair- Funding for Commercial Scale Carbon Capture and Sequestration: Why a Much Larger Federal Role May Be Needed** -- Glenn Benson, Of Counsel, Perkins Coie LLP
- Chair- EPRI Program to Accelerate Availability of Lower Cost Post-Combustion CCS** -- George Offen, Sr. Technical Executive, Electric Power Research Institute
- The Plains CO2 Reduction (PCOR) Partnership: Carbon Management Options for the Central Interior of North America** -- Edward Steadman, Senior Research Advisor, Energy & Environmental Research Center
- CO2 Sequestration in Central New York State: Interim Research Findings** -- Richard Frappa, Principal Hydrogeologist, AMEC Geomatrix, Inc.
- CO2 Sequestration via Nanocarbons Formation - DRIVE2** -- Philippe Lapierre, Valorisation director, SOCPRA

2 **CCS – Economics & Risk**

MON 3:30-5:30 PM

- Chair- Job Benefits of Advanced Coal Generation With CCS** -- Eugene Trisko, Attorney at Law, Attorney at Law
- Chair- Best Practice in Sequestration Outreach** -- Sarah Wade, Partner, AJW
- Carbon Capture and Storage: A Project Finance and Policy Perspective** -- Alexander Bandza, Associate, Exponent, Inc.
- The Economics of CO2 Capture by Mineralization** -- David St. Angelo, Vice President, Engineering, Skyonic Corporation
- Financial Valuation of Ecological, Human Health and Climate Risks from CCS** -- Chiara Trabucchi, Principal, Industrial Economics, Incorporated

3 **CCS - CO2 Capture**

TUE 7:30-9:30AM

- Chair- Carbon Capture & Sequestration (CCS)** -- William Miller, Senior Client Program Manager, Shaw Environmental & Infrastructure
- MHI's KM-CDR CO2 Recovery Technology Commercialization Status** -- Steve Holton, Director of Business Development, Mitsubishi Heavy Industries America Inc
- Chair- A Solid Retrofit Approach for Capturing CO2** -- Sharon Sjostrom, Vice President, Technology, ADA Environmental Solutions
- Performance and Cost Comparison of Four Alternate CO2 Capture Technologies for IGCC Power Generation** -- John Plunkett, Senior Principal Engineer, Noblis
- Oxy-Coal Combustion in a Small-Scale CFB** -- Bradley Damstedt, Development Associate, Industrial Applications R&D, Praxair, Inc
- Contaminant Gases in Greenhouse Gas Emissions and Implications for Carbon Capture, Storage and Geological Sequestration** -- Hari Gupta, Sr. Project Engineer, CDM

4 **CCS – Technologies**

TUE 10-12 NOON

- Chair- FALCON Technology – CO2 Sequestration** -- Lawrence Dressler, President, Tomorrow Biofuels LLC
- Chair- Enhanced Oil Recovery and Responsible Carbon Management, Large Scale Geologic Sequestration of CO2** -- Alan Higgins, Vice President, Special Projects, Anadarko Energy Services Company
- Chair- Permitting Roadmap for CCS** -- Janine Whitken, Project Manager, Ecology & Environment
- High Efficiency/Low Cost CO2 Compressor for Carbon Capture & Storage** -- Peter Baldwin, President, Ramgen Power Systems
- Advanced Measurements of Energy Storage and CCS Materials** -- Andre Levchenko, Applications Scientist, Setaram Inc
- Evaluation of Post Combustion CO2 Capture Technologies With an Emphasis on Solvents** -- Brandon Pavlish, Research Engineer, University of North Dakota Energy & Environmental Research Center

5 **CCS – Utilities**

TUE 1-3PM

- Chair- Considerations in Retrofitting Post Combustion Carbon Capture to Coal-Fired Power Plants** -- Anindo Dey, Senior Process Engineer, Stantec
- Chair- Review of legal risks associated with geologic carbon sequestration** -- Timothy Gablehouse, Managing Partner, Gablehouse Calkins & Granberg LLC
- Siting, Permitting and Building Clean Coal Plants: CCS** -- Dennis Arfmann, Co-Chair Global Climate Change Group, Hogan & Hartson
- Commercial, Investment, Retrofit & Permitting Realities for CCS for Utilities** -- Theresa Pugh, Director, Environmental Services, American Public Power Association
- Siting Process for Coal-Fired Power Generation: How to Address CO2 Sequestration?** -- John Stower, Senior Project Manager, Burns & McDonnell Engineering, Inc.
- GHG LCA for Coal-Fired/Biomass Power Plant With Carbon Capture and Sequestration** -- Joseph Tessitore, Principal Engineer, Ecology and Environment Inc

6 **Geological & Terrestrial Sequestration**

TUE 3:30-5:30 PM

- Chair- Agricultural Carbon Sequestration – Opportunity for Rural America** -- Robert Coulter, Chief Executive, Emission Credits International Corporation
- Chair- Assessment of Risk, Legal Issues and Insurance for Geologic Carbon Sequestration in Pennsylvania** -- Robert McKinstry, Partner, Ballard Spahr LLP
- Carbon Dioxide Storage Site Assessment, Risk Assessment and Financial Models for a Geologic Sequestration Complex in Pennsylvania** -- Thomas Gray, Energy and Natural Resources Manager, Tetra Tech Inc.
- Forest-Based Carbon Offsets in the USA and International Climate Change Agreements** -- Stephen Handler, Project Developer, ClearSky Climate Solutions, LLC
- The Rainforest Alliance and REDD: Carbon Forestry as an Opportunity for Positive Biodiversity and Social Impacts in Tropical Countries** -- Lara Koritzke, Associate Director of Development, Rainforest Alliance, Inc.
- Risk Assessment and Management Tools for CO2 Geologic Sequestration** -- James Lepinski, President, Headwaters Clean Carbon Services LLC

7 **CCS – Advanced Technologies**

WED 7:30-9:30AM

- Chair- Oxy-Combustion Boiler Material Development** -- Archie Robertson, Senior Research Associate, Foster Wheeler North America Corp
- Chair- Jupiter Oxygen Corporation: Economic Pathway for Carbon Capture and Pollutant Elimination from Fossil Fuel Power Plants. Results from the Operation of a Large Scale Oxy-Fuel Boiler With Carbon Capture** -- Mark Schoenfeld, Senior vice President Operations and General Counsel, Jupiter Oxygen Corporation
- Direct Oxygen Injection in Pulverized Coal Burners for Flame Stability and Pollutant Control** -- Larry Bool, Sr. Development Associate, Praxair
- CO2 Transport Versus the 50-State Sequestration Strategy** -- Charles Franklin, Counsel, Akin Gump Strauss Hauer & Feld LLP
- Post-Combustion CO2 Capture Technology Challenges and BOP Impacts** -- Anand Mahabaleshwarkar, Air Quality Control Section Head, Black & Veatch Corporation
- CO2 Pipeline Systems: Assessment of the Risks and Health & Safety Regulations** -- Alicia Smith, Senior Project Manager, Environmental Resources Management (ERM)

8 **Airgas** **SF6**

- Chair- SF6 Emissions Creating Carbon Offset Revenue** -- Bob Davis, Director of Utilities, Airgas
- Repair Option for SF6 Gas and Oil Leaks** -- James Hackett, Power Services Division Manager, Colt Atlantic Services, Inc.
- SF6 Emission Reduction Partnership - Implementation Status** -- Jette Findsen, Program Manager, Climate Change Services, SAIC
- SF6 Gas Density Monitoring** -- Andre Nipkow, Vice President Sales & Marketing, TRAFAG AG

Track F Carbon Markets & Finance

1 Kyoto & Carbon Markets

MON 1-3PM

1. **Chair- Overview of Financial Players in Environmental Markets** -- Peter Fusaro, *Chairman, Global Change Associates*
2. **Chair- Price Trends and Drivers: How Recent International and Domestic Policy Developments in Climate Change Legislation Have Affected Carbon Prices** -- Kedin Kilgore, *Principal, CO2 Capital LLC*
3. **Investing in Forest Carbon and Other Ecosystem Service Markets** -- Eron Bloomgarden, *President, Environmental Markets, Equator LLC*
4. **Ozone Depleting Substances and Carbon Markets** -- Waldemar Perlik, *Director of Trading, Eos Climate*
5. **Pre-Compliance Solutions for Utilities Operating in a World Where CO2 is a Cost of Doing Business** -- Gregory Arnold, *Managing Partner, CE2 Capital Partners*
6. **Carbon Market Update** -- Neil Cohn, *Senior Vice President, Macquarie Bank*
7. **Developing a Strategic GHG Management Plan** -- James Westbrook, *President, MotivEarth*

2 GHG Cap & Trade

MON 3:30-5:30 PM

1. **Chair- Renewable Electricity Standards and Cap and Trade Interaction and Electricity Sector Impacts** -- Lori Bird, *Sr. Analyst, NREL*
2. **Chair- From Voluntary to Mandatory: What to Expect from the Evolution of Carbon Offset Markets in the U.S.** -- Olga Chistyakova, *Carbon Analyst, Point Carbon*
3. **Investment Planning Under Carbon Uncertainty** -- Steven Fine, *Vice President, ICF International*
4. **Develop Optimal Environmental Strategies for Carbon Management Leveraging Critical Insight** -- Michael Lehane, *Director, Environment Solutions, IHS*
5. **Compliance Issues in GHG Cap-and-Trade Programs** -- Steve McMillen, *Attorney, Baker Botts LLP*
6. **A Carbon Constrained Economy: Efficiency and Equity Within the Electricity Sector** -- Jim Woodward, *Graduate Research Assistant, The University of Texas at Austin*

3 Corporate Strategies

TUE 7:30-9:30AM

1. **Chair- Hess Corporation's Climate Change Strategy** -- Michal Pelzig, *EHS Advisor, Hess Corporation*
2. **Chair- Managing Business Risks & Opportunity** -- John Phyper, *Executive Vice President, InteleX Technologies Inc.*
3. **How to Accelerate the Implementation of Carbon Reduction Projects** -- Robert Dornau, *EVP Business Development & Strategic Alliances, Carbonflow*
4. **Structuring Risk Management Solutions in the Pre-Compliance Market** -- Bryan LaFrance, *Vice President, Macquarie Bank*
5. **The Role of Emerging Technologies in the Next Generation of Emissions Reduction Projects** -- Sonia Medina, *US Country Director, EcoSecurities*
6. **Corporate Strategies for Managing Climate Change Regulations** -- Teresa Raine, *Client Service Manager, CDM*

4 Finance

TUE 10-12 NOON

1. **Chair- Alternative Compliance Payment Funding** -- Billy Bamwell, *CEO, Equinox Carbon Equities Inc.*
2. **Chair- Renewable Energy Systems and Financing Structures** -- Mark Crowdis, *Chief Executive Officer, Think Energy, Inc.*
3. **Financing the 100 kW Market - An Underwriter's Perspective** -- Larry Farris, *Senior Underwriter, Ethos Green Energy Asset Finance LLC*
4. **What a Lender wants to know before Financing your Landfill Power Plant** -- Mitch LeMasters, *Sr. Account Manager - Renewable Energy, Cat Power Finance*
5. **The Social VC Perspective: Attracting Investment With the Model of Financially Sustainable Innovation** -- Bill Lyons, *Venture Partner, City Light Capital*

5 Trading & Offsets

TUE 1-3PM

1. **Chair- Renewable Energy & Carbon Credit Markets** -- Izzet Bensusan, *Executive Director, Karbone Inc.*
2. **Chair- An Effective Greenhouse Gas Offset Strategy in an Uncertain (North American) World** -- Nathan Maycher, *Senior Manager, Sustainable Development, TransAlta Corporation*
3. **Understanding the Biases in Reported Greenhouse Gas Emissions** -- Russell Berry, *Project Manager, RMB Consulting & Research, Inc.*
4. **Asset vs. Liability: Translating GHG Data into Carbon Offset Projects** -- Steve Petridis, *Head of Engineering, Element Markets*
5. **Lessons from Carbon Card Programs for Expanding Carbon Markets** -- Sandrine Rousseaux, *Research Fellow, CNRS*

6 Financial Markets

TUE 3:30-5:30 PM

1. **Chair- The Evolution of Policy-Based Financing and What it Means for Renewable Development** -- Elias Hinckley, *Partner, Venable LLP*
2. **Chair- Title Not Yet Submitted** -- Gerrit Nicholas, *Director Environmental Commodities, Goldman Sachs*
3. **Challenges in Applying Financial Markets Infrastructure to the Carbon and Environmental Markets** -- Kathy Benini, *Managing Director, Markit*
4. **Strategic Investment Planning in an Uncertain Carbon World** -- John Bewick, *Director Validation and Verification Services, Enviroplan Consulting*
5. **Suggested Strategies to Ensure the Continuing Participation of the Investment Community in the New GHG Constrained Financial Markets** -- Nedra Miller, *Principal, MILLER, CTA*
6. **Carbon Price Scenarios and Their Impact on US Business** -- Milo Sjardin, *Head of North America, New Energy Finance*

7 Project Financing

WED 7:30-9:30AM

1. **Chair- Financing Energy Efficiency Projects** -- Maura Goldstein, *Partner, Deputy Department Chair for the Firmwide Global Projects Group, Baker Botts LLP*
2. **Equator Principles and International Financing of Energy Projects** -- Randy Schulze, *Vice President, CH2M HILL*
3. **Chair- Issues With Equator Principle Categorization and Compliance** -- William Stark, *Senior Consultant, R. W. Beck*
4. **Making Your Renewable Energy Projects Happen - Using Carbon Currency in Project Financing** -- Sudhir Bhat, *Director Project Finance, First Climate*
5. **Financing Challenges for Wind Energy Projects Due to Limited Industry Operating Performance Data and Mitigation Strategies** -- Matthew Thibodeau, *Senior Management Consultant, Sargent & Lundy LLC*

8 Managing Risk & Carbon Costs

WED 10-12 NOON

1. **Chair- Managing Carbon & REC Instruments Across Markets: The Challenge for Energy Firms** -- Reiner Musier, *Vice President and CMO, APX Inc.*
2. **Chair- Too Late? Too Early? Positioning Your Firm Against Current & Emerging Climate Policy** -- Rebecca Smith, *Consultant, DNV Climate Change Services North America*
3. **Managing Carbon Risks and Opportunities at a Diversified Energy Company** -- Michael Loreman, *Vice President, DTE Carbon, LLC.*
4. **The Role, Impact and Business Opportunities from Offset Projects in Upcoming Regional, Cross-Border and Federal Carbon Markets in North America** -- Monique Lussier, *International Climate Change Lawyer and Advisor, Sutherland, Brennan, abd Asbill LLP*
5. **Due Diligence Assessment & Carbon Credits** -- Jim Marett, *Grue & Hornstroup*

Track G GHG Corporate Strategies

1 IRBARIS Carbon Footprints

MON 1-3PM

1. **Chair- Technology to Address Energy Efficiency, Pollution Control and Decreasing Your Carbon Footprint** -- Karl Mundorff, President/CEO, BioReaction Industries, LLC
2. **Chair- Beyond footprinting -- managing the value impact of carbon & climate change** -- David Hampton, Partner, Irbaris LLP
3. **Measuring and Communicating the Carbon Footprint of Products and Supply Chains: Emerging standards, challenges and business implications.** -- Kevin Brady, Director, Five Winds International
4. **Improving Plant Operating Efficiencies and Reducing Carbon Footprint by Converting Low-Grade Heat to Electrical Energy** -- Bradley Ginger, Engineering Product Manager-Renewable Technologies, EISENMANN Corporation
5. **Water Resources Management and Carbon and Water Footprints** -- Wes Hawthorne, Vice President, Locus Technologies
6. **A Life Cycle Assessment Demonstrating the Benefits of Electronic Software Distribution** -- Christopher Kral, Senior Consultant & Project Director, WSP Environment & Energy

2 SDG Planning for GHG Regulation 


MON 3:30-5:30 PM

1. **Chair- Rough Waters Ahead - Charting a Course through a Carbon-Constrained World** -- Naoki Shimoda, Director, Strategic Decisions Group
2. **Chair- Climate Change Considerations in the Canadian Electricity Generating Industry** -- Gray Taylor, Chair, Climate Change and Emissions Trading Group, Bennett Jones LLP
3. **Developing a Carbon Strategy for an Electric Power Company** -- Dan Steen, Principal, Enviroplan Consulting
4. **Greenhouse Gas Regulation and Its Impact on Electricity and Fuel Markets** -- Hua Fang, Principal Consultant, Black & Veatch
5. **Planning for Greenhouse Gas Regulation: Compliance Strategies** -- Kate Graf, Senior Air Quality Engineer, AMEC Geomatrix
6. **Planning for the Carbon Constrained World: A Case Study** -- David Millar, Senior Analyst, KEMA Inc.
7. **Organizational Impacts: How to Respond to a Carbon Constrained Economy - One Natural Gas Company's Experience** -- Byron Wright, Vice President, Corporate Development, El Paso Corporation

3 GHG Strategies  

TUE 7:30-9:30AM

1. **Chair- Midwest Utility Financial and Policy Considerations under a Carbon Constrained Future** -- Michael Cashin, Senior Environmental Policy Advisor, Minnesota Power (ALLETE)
2. **Implications of GHG Offset Policy on Corporate Strategy** -- Delavane Diaz, Project Manager, Electric Power Research Institute
3. **Got Data? Your Customers Want Them** -- Victoria Evans, Nat'l Practice Leader, GHG Services, URS Corporation
4. **Marketing the Low Carbon Future** -- Yuda Saydun, CEO, ClimeCo Corporation
5. **Greenhouse Gas Compliance and the Art of Predicting the World Series Champion** -- Eric van Gestel, Vice President, FirstCarbon Solutions
6. **A methodology to Determine the Impact of Climate Change on Corporate Valuation** -- James Vopelius, Trident Risk Management, LLC

4 Enterprise & Climate Change Management  

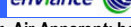
TUE 10-12 NOON

1. **Chair- Carbon Accounting and Organizational Change** -- David McCurdy, Chief Operating Officer, Enviance
2. **Chair- Climate Change Program Integration** -- Matthew Wilson, Principal Consultant, CH2MHILL
3. **Dominion GHG Offsets Project - An Integration Story** -- Dane Honrado, Manager, Greenhouse Gas Offsets and Quantitative Strategies, Dominion Resources, Inc.
4. **Climate Change Emissions Management: Company Implementation Issues** -- Brian Sloof, Technical Advisor, Climate Change, TransCanada
5. **Carbon Management in Utility Resource Planning and Procurement** -- Joel Swisher, Director, Technical Services, Camco International
6. **A Methodology for Prioritizing Carbon Offset Project Investment** -- Jessica Wollmuth, Senior Technologist, CH2M HILL

5 GHG Monitoring Verification & Standards 

TUE 1-3PM

1. **Chair- New ASTM Standard for GHG Financial Disclosure** -- Gwen Eklund, Director, Power Generation and GHG Services, TRC
2. **Chair- Taking Climate Action: The EPS Protocol is the First Comprehensive GHG Reporting Guideline for the Industry** -- Ivor John, Vice President of Climate Change Services, RMA
3. **The GHG Capacity Crunch: Is there a looming crisis in climate policy implementation?** -- Michael Gillenwater, Dean, GHG Management Institute
4. **Certifying GHG Professionals: Improving data quality, enhancing climate governance** -- Tim Stumhofer, Program Associate, GHG Management Institute
5. **Measuring and Reducing CO2 from Utility Boilers** -- Jim Sutton, Director Bumer and Fabricated Products, Alstom Power
6. **EPA's Carbon Cost Projections - How Realistic Are They?** -- Kyle Silon, Consultant, DNV Climate Change Services North America

6 GHG Inventories 



TUE 3:30-5:30 PM

1. **Chair- Air Apparent: how existing systems are the best option for carbon accounting** -- Larry Goldenhersh, CEO, Enviance
2. **Chair- Greenhouse gas emissions inventory in Latium Region, Italy** -- Attilio Poli, President, Environmental System Analysis
3. **Electric Utility Company Establishes Successful Carbon Management Program Through Membership in The Climate Registry US Power Generating Company** -- Peter Anderson, Partner, ERM
4. **Carbon Reporting under EPA and other Voluntary Registries: American Electric Power (AEP)** -- Graeme Dykes, Senior Engineer Environmental Services, Enviance
5. **eAir: SaaS Consolidated Emissions Inventory** -- Natasha Meskal, President, EcoTek
6. **The Value of eGRID and eGRIDweb to GHG Inventories** -- Susy S. Rothschild, Electric Power Team Program Manager, E.H. Pechan & Associates, Inc. (Susy, Manish, Cristina); U.S. EPA/OAR/CAMD (Art)
7. **Developing a Customized Greenhouse Gas Inventory Tool for California Mandatory Reporting** -- Katherine Travis, Air Quality Scientist, CDM

7 Verification, Validation, Certification & Registries

WED 7:30-9:30AM

1. **Chair- Greenhouse Gas Compliance and Risk: A Moving Target** -- Randall Lack, Managing Director, Element Markets, LLC
2. **Chair- Environmental Intelligence** -- Miles Mahoney, President & COO, Evergreen Energy
3. **PricewaterhouseCoopers' Vision of a Carbon Framework to Analyze Compliance Alternatives for the Electric Utility Industry** -- Donald Reed, Director, PricewaterhouseCoopers
4. **Third Party Verification of ARB Emissions Data Reports** -- John Shideler, Greenhouse Gas Program Manager, NSF-ISR
5. **Carbon Sequestration Amine and Ammonia Processes Measurements by FTIR - Effects of Sampling System Variables and Materials** -- Peter Zemek, Manager Senior Applications Scientist, MIDAC Corporation
6. **The Climate Action Reserve in the Voluntary and Mandatory Carbon Markets** -- Joel Levin, Vice President of Business Development, Climate Action Reserve

8 VERs & RECs  

WED 10-12 NOON

1. **Chair- Strategies for Managing Carbon Credits/RECs** -- Michael Shaut, President and CEO, Carbon Vision LLC
2. **Chair- Innovative Strategy to Create Value in a Carbon World** -- Nate Hanson, Vice President, NextEra Energy Resources
3. **Funding carbon projects: Carbon offset revenue and regulation.** -- Peter Freed, Emission Reduction Project Manager, TerraPass
4. **Voluntary Utility REC & Carbon Offset Programs in a Cap & Trade Era** -- Dan Lieberman, Senior Manager, Utility Partnerships, 3Degrees
5. **Maximizing the Value of Environmental Credits** -- Joseph Ritter, Director of Business Development, MotivEarth
6. **Not yet titled** -- Daniel Scarbrough, Senior Vice President, CCFE, Chicago Climate Exchange

9 GHG Management 

WED 1-3PM

1. **Chair- The GHG-Data Tsunami: The Hidden Challenge Facing Organizations** -- Jim Donovan, President and CEO, FirstCarbon Solutions
2. **Chair- Managing Carbon: Are Carbon Budgets in Your Future?** -- Joseph Kwasnik, Senior Consultant, AlterEcho (Division of TechLaw)
3. **CO2 and CH4 Fluxes at Eastmain 1 Reservoir (Quebec, Canada) Using Three Different Methods** -- Claude Demers, Science Communicator, Hydro-Quebec
4. **Taking a Cooperative Green Step: Developing a Regionwide Greenhouse Gas Inventory** -- Susanne Cotty, Air Quality Planner, Pima Association of Governments
5. **Climate Change Governance** -- Julie Desjardins, President, Desjardins & Associates
6. **Comparison of Mandatory and Voluntary GHG Reporting Protocols** -- Kecia Held, Project Manager, Optimized Systems and Solutions
7. **Competitive Advantage Gained Through GHG Management** -- Dru Krupinsky, GHG Specialist, Ecology and Environment, Inc
8. **GHG Impact on the Military** -- Mike Baghoomian, Marketing, Northrop Grumman Information Systems

Track H Biofuels, Biomass & Biogas

1 Algae Biomass & Plasma Technology

1. **Chair- Plasma Arc Technology as a Renewable Energy Option** -- Scott Osbourn, Associate, Goldier Associates
2. **Green Solar Energy in Algae: Food, Fuel, Freshwater and Fine Medicines** -- Mark Edwards, Professor, Arizona State University
3. **Continuing developments in High-Density CO2 capture and conversion** -- Stanton Barnes, CEO, Bioalgene, Inc.
4. **Hydrodynamic-Based Design and Scale Up of Algae Photobioreactors** -- Joel Cuello, Professor, The University of Arizona
5. **Plasma Gasification Green, Renewable Energy Solutions** -- Kevin Willerton, VP Business Development, Alter NRG
6. **Technologies for Next Generation BioDiesel Production** -- Klaus Ruhmer, Business Development Manager, BDI-BioDiesel International AG

MON 1-3PM

2 Biofuels

1. **Biofuels Technology Decision and Risk Analysis** -- Alan Propp, Senior Technical Specialist, Merrick & Company
2. **2010 Intellectual Property Trends for Biofuel Innovators** -- Judith Kim, Director, Sterne, Kessler, Goldstein & Fox PLLC
3. **Chair- KeLa Engineered Fuel** -- Larry Moot, Vice President, KeLa Energy, LLC
4. **Don't Clog the Pipe - Recycle Used Cooking Oil to make Biofuel** -- Kathy Berek, Client Service Manager, CDM
5. **Chair- Production of renewable energy using micro-biorefineries offers significant opportunities for Rural Economic Development** -- Liam Leightley, Executive Director, Institute for Advanced Learning and Research
6. **Profitable Small-Scale Alcohol Fuel Production: Valuable Co-Products, Marketing and Retail Distribution** -- David Blume, Executive Director, International Institute for Ecological Agriculture
7. **Arid Lands Sustainable BioEnergy Institute** -- Ron Richman, Co-Executive Director, Arid Lands Sustainable BioEnergy Institute

MON 3:30-5:30 PM

3 Biofuel Ethanol

1. **Chair- Prospects for the Commercial Use of Genetic Engineering in Biofuel Production** -- David Glass, President, D. Glass Associates, Inc.
2. **Life Cycle Assessment (LCA) of Biodiesel Production from Waste Cooking Oil as a Raw Material (In accordance with ISO 14040 & ISO 14044 standards)** -- Shahrzad Badvipour, Graduate Research Assistant, Arizona State University
3. **The Technical and Environmental Risks of Biofuels Production and Consumption** -- Kate Elliott, Senior Consultant, DNV Climate Change Services North America
4. **Cellulosic Ethanol Plant Design Considerations** -- Geoffrey King, Tetra Tech
5. **Coproducts and Other Biomass for CHP at Fuel Ethanol Plants** -- R. Vance Morey, Professor, University of Minnesota
6. **Semi-arid land production of ethanol from sweet sorghum** -- Mark Riley, Professor and Department Head, The University of Arizona

TUE 7:30-9:30AM

4 Biofuels, Biogas & Biomass

1. **Chair- An Extensible Microbial Fuel Cell Reactor System** -- Jason Barkeloo, Founder & President, Pilus Energy
2. **Chair- High Solids Anaerobic Digestion-A Component of the Renewable Energy Portfolio** -- Tom Blair, President, Hard Hat Services
3. **Municipal waste applications using the Induced Blanket Reactor Anaerobic Digester** -- Conly Hansen, Professor, Director, American Anaerobic Digestion Inc.
4. **AD: Improving Financial Return Experiences** -- Norman Sendler, VP Business Development, Microgy, Inc.
5. **Siting and Permitting Challenges for Biomass-Fired Power Generation** -- Michael Zebell, Senior Program Manager, AECOM Environment
6. **Anaerobic Digestion Optimization with Bio-Organic Catalyst** -- Parker Dale, President, Bio-Organic Catalyst, Inc.

TUE 10-12 NOON

5 Biogas / Biomass

1. **Chair- Development of Biogas to Energy CDM Projects with CERS** -- Prabhu Dayal, President, C Trade
2. **Co-digestion of on-farm wastes in California** -- Brian Gannon, President, Biogas Energy Inc.
3. **Community Renewable Energy Center Project** -- Lawrence Becker, Regional Power Sector Leader, URS Corporation
4. **Second Generation, Proprietary Biofuel Emulsion Technology as a viable alternative to Biomass** -- Cary Claiborne, CEO, New Generation Biofuels
5. **Biomass Gasification: Re-Powering Coal with GHG Neutral Biomass** -- Thomas Paskach, Director of Business Development, Frontline BioEnergy
6. **Exploring the Feasibility of Biosolids-to-Energy** -- Kevin Rhodes, Engineering Project Manager, Woolpert
7. **Operations summary of a commercial biomass gasifier generating clean, combustible gas for industrial heat or repowering an existing power boiler** -- Nicholas Sikes, Business Development, Frontline BioEnergy

TUE 1-3PM

6 Biomass - Case Studies

1. **Chair- Utilization of hot-water extracted wood fiber for reconstituted products - potential for integration of technologies to produce value-added chemicals to composites** -- Vikram Yadama, Assistant Professor & Extension Specialist, Washington State University
2. **Chair- Modeling Analysis of Biomass Syngas Reburning in a Coal-Fired Cyclone Boiler** -- Yang Ge, Combustion Research Scientist, RMT, Inc.
3. **Utilization of Municipal Solid Waste as a Sustainable Energy Resource** -- Renee Fernandez-Lipp, Area Manager / Senior Eco Consultant, WM Green Squad, LLC
4. **Using Biomass Waste to Reduce Coal's Carbon Footprint** -- Ravi Malhotra, President/CEO, CleanCoal Briquette Inc.
5. **Central Plant Biomass Gasification** -- Gary Reed, Director, Facilities Planning and Management, Eastern Illinois University
6. **Case Study of Biomass Power Plant Development** -- Thomas Suffield, Principal, Cedars Capital, LLC
7. **Efficient biogas production from food waste and other industrial organic waste** -- Klaus Ruhmer, Business Development Manager, Enbasys GmbH
8. **Biomass Feasibility Study and Business Plan** -- Dennis Hatfield, Senior Project Manager, RMT, Inc.

TUE 3:30-5:30 PM

7 Cofiring Biomass

1. **Chair- Emissions Considerations Affecting Practical Implementations of Biomass Combustion Systems for Power Generation** -- Marc Cremer, Manager, Engineering Analysis, Reaction Engineering International
2. **Chair- A Feasibility Study to Convert the 227 MWe Atikokan Generating Station to Fire 100% Biomass Pellets** -- Brian Higgins, VP of Technology, Nalco Mobotec
3. **Applying CFD to Optimize Furnaces Co-firing Biomass** -- Stewart Bible, Sr. Modeling Manager, Fuel Tech, Inc.
4. **Biomass Co-firing - Engineering Issues and Air Permitting Considerations** -- Brian O'Neal, Air Permitting Specialist, Black & Veatch
5. **Options for firing Biomass with Coal** -- Ed Reubla, General Manager, Alstom
6. **Biomass Cofiring: Ash Formation And Potential Boiler Impacts** -- Chris Zygarlicke, Deputy Associate Director for Research, Energy & Environmental Research Center

WED 7:30-9:30AM

8 Landfill Gas & RECs

1. **Chair- Landfill Gas: A Proven Source of Renewable Energy** -- Rachel Goldstein, Team Leader, EPA Landfill Methane Outreach Program
2. **Chair- Planning, Siting And Permitting The Landfill In Your Future** -- Thomas Gredell, President/Principal Engineer, GREDELL Engineering Resources, Inc.
3. **New Covers on Old Landfills** -- Trevan Houser, President, Land Resource Solutions, LLC
4. **Navigating the CDM Process for Landfill Gas Projects from Project Assessment through PDD Development and Project Registration** -- Alex Stege, Project Manager, SCS Engineers

WED 10-12 NOON

Track I Sustainability & Reliability

1 Energy Sustainability Assessment

1. **Chair- A Journey towards Sustainability of Energy and the Environment: One Company's Story** -- Jenny Freeman, Business Development Manager, Strata-G, LLC
2. **Chair- Brewing a Successful Sustainability Program** -- Cheri Chastain, Sustainability Coordinator, Sierra Nevada Brewing Co
3. **Energy Sustainability Assessment** -- Raj Buch, Consultant, Sustainability Consulting
4. **Building the Nation's Largest Municipally Owned Energy Company's First Sustainability Report** -- Lisa Hile, Environmental Engineer, CPS Energy
5. **Energy Planning, Human Population, and Gross Domestic Product per Capita** -- Gary Matteson, Researcher, University of California, Davis Campus
6. **Creating Sustainable Energy Solutions** -- Lisa Krueger, Vice President - Sustainable Development, First Solar, Inc.

MON 1-3PM

2 RPS

1. **Chair- CAES2 a Tool for Realizing the RPS Goals** -- Royal Daniel, Chief Operating Officer, Energy Storage and Power LLC
2. **Chair- Investigating Local Renewable Resources To Reach 37% Renewable Energy Supply By 2020** -- Elaine Sison-Lebrilla, Senior Project Manager, Sacramento Municipal Utility District
3. **Renewable Energy from Municipal Wastes** -- Paul Hauck, Senior Environmental Engineer, Camp Dresser McKee
4. **The Voluntary Market: Financing Project Development Beyond the RPS** -- Robin Quarrier, Green-e Analyst & Counsel, Center for Resource Solutions
5. **RPS Solar Tier Markets and Opportunities** -- Melissa Ritter, Director, Pace Global Energy Services, LLC

MON 3:30-5:30 PM

3 Sustainability - Green

1. **Chair- Tool for Global Product Environmental Regulatory Compliance** -- Dani Tsuda, Consultant, TIA-EIATRACK
2. **Chair- Sustainable Remediation Case History** -- Richard Cartwright, Senior Vice President, MECX
3. **How Green is Green Power? An Assessment of the Environmental Implications of Manufacturing Solar and Wind Power Alternative Energy Systems** -- Mark Heaston, Senior Scientist, AECOM Environment
4. **Mitigating the Urban Heat Island - Designing with Cool Urban Materials** -- Harvey Bryan, Professor in the College of Architecture and Environmental Design, Arizona State University
5. **Sustainability of Traditional Architecture of Africa: The Case of Mali and Ethiopia** -- Hisham Mortada, Professor of Architecture, King Abdul Aziz University, Saudi Arabia
6. **Risk Management for Sustainable Design** -- Timothy Corbett, President, SmartRisk

TUE 7:30-9:30AM

4 Sustainability Reporting

1. **Chair- Applying Business Intelligence for Enterprise Sustainability Reporting** -- Marc Dillon, Sr. Product Manager, IHS
2. **Chair- Inherent Tradeoffs within Sustainability** -- Brigitte Bavousett, Associate Partner, Estrella Partners Group
3. **A GRI-compliant Sustainability Report for a Distribution Utility** -- Colin Isaacs, CEO, CIAL Group
4. **Making Environmental Information Accessible and Useful for the Stakeholders** -- Krishna Gorrepati, Executive Director, TechniData America
5. **Collecting and Reporting Sustainability KPI's** -- Doug Hatler, Vice President, Enviance
6. **Strategizing DEI's Sustainability Report** -- Michael Bernard, General Manager Sustainability, Duke Energy International

TUE 10-12 NOON

5 Sustainability

1. **Chair- Sustainable Energy Technologies: Lessons from the History of Technology Regulation** -- Gary Marchant, Professor of Law, Sandra Day O'Connor College of Law, Arizona State University
2. **Chair- RE-Powering America's Land: Siting Renewable Energy on Previously Contaminated Lands** -- Lura Matthews, Program Analyst, US EPA, OSWER, Center for Program Analysis
3. **Sustainability Indexing: Brand Value, Reputation and the Wall of Noise** -- Chet Chaffee, VP Life Cycle and GHG Carbon Activities, FirstCarbon Solutions
4. **Auditing Concepts for Strengthening Your Business** -- Jeff Eves, Green Services Program Manager, Intertek
5. **Practical Sustainability in an Industrial Setting** -- Lara Helfer, Senior Program Manager - Energy, AECOM
6. **PEMS Implementation with Efficiency Feedback** -- Richard Hovan, Manager, Environmental Solutions, Rockwell Software, Pavilion Technologies
7. **Impacts of Atmospheric Mercury Deposition to a Terrestrial Environment in Squamish, British Columbia** -- Laura Koch, Contaminated Sites Specialist, Ven Huizen Consultants Ltd.

TUE 1-3PM

6 Reliability & Dispatch

1. **Chair- Integrating High Penetration of Renewable Energy into the Electric Grid** -- Phil Smithers, Renewable Energy Advisor, Arizona Public Service
2. **Chair- Utilizing Standardized Environmental Construction Practices to Reduce Environmental Impacts on Linear Transmission Line Projects in the Midwest** -- Michelle Stokes, Senior Environmental Project Manager, American Transmission Company
3. **Hosting CEM DAHS Off-Site Under FERC Critical Infrastructure Protection Standards** -- David Buck, Software Architect, ESC
4. **Transmission and Annual-scale Firming Storage Alternatives to Electricity: Gaseous Hydrogen and Anhydrous Ammonia via Underground Pipeline** -- Bill Leighty, Director, The Leighty Foundation
5. **Integrating Renewable Energy into Municipal Projects** -- Anthony Primo, Electrical Engineer, CDM
6. **Lead-Based Paint: a Systematic Approach to Managing Potential Soil Contamination on Transmission Line Rights-of-way** -- Johanna Sievwright, Environmental Project Manager, American Transmission Company
7. **GeoCollaboration** -- Bill Timmins, Director, GIS Services

TUE 3:30-5:30 PM

7 Water Sustainability I

1. **Chair- Evaluating Water Resources Risk in the Context of Historical Trends** -- Laura H. Z. Weintraub, Senior Project Engineer, LimnoTech
2. **The Impact of Energy Production on U.S. Water Consumption** -- Deborah Elcock, Policy Analyst, Argonne National Laboratory
3. **Water and Energy Sustainability and Technology** -- Bruce Folkedahl, Senior Research Manager, Energy & Environmental Research Center
4. **Chair- Heat Balance Study of San Jose/Santa Clara Water Pollution Control Plant** -- Tom Warriner, Mechanical Engineer, Building Mechanical Group Leader, Camp Dresser & McKee, Inc (CDM)
5. **Environmental implications of residential swimming pools in Phoenix, Arizona and other U.S. cities.** -- Nigel Forrest, Graduate Student, ASU, School of Sustainability

WED 7:30-9:30AM

8 Water Sustainability II

1. **Chair- EPRI Closed-cycle Cooling Retrofit Research Program** -- David Bailey, Senior Project Manager, EPRI
2. **Chair- Designing Cost-Effective Sea Water Reverse Osmosis System under Optimal Energy Options** -- Asmerom Gilau, Senior Associate, Ph.D., Triple E Systems Inc.
3. **Sustainable Water for Power Generation: Coupled Environmental-Financial Decision Tools for Cooling Technology Investments** -- Peter Adriaens, Professor, University of Michigan and LimnoTech
4. **Water – a present and future challenge** -- Ira Feldman, President & Senior Counsel, Greentrack Strategies
5. **Sustainability and Chlorine Free Products** -- Archie Beaton, Executive Director and Founder, Chlorine Free Products Association
6. **A Sustainable Potable Drinking Water Supply for Elementary Schools from Used Water of an Open Loop Geothermal Heat Pump System and Supplemented by Greenroof Stormwater Runoff** -- Marc Kasabasic, Civil Engineering/Architecture Student, Lawrence Technological University

WED 10-12 NOON

Track J Energy Efficiency & Management

1 GENI Global Energy Network Institute Community Energy Efficiency

- Chair- Energy and Resource Efficient Community Development (EECD_** -- Larisa Dobriansky, Executive Director and Board Member, Global Energy Network and the National Energy Center for Sustainable Communities
- Chair- Energy Mapping for Ontario Communities** -- Simon Geraghty, Engineering Researcher, Canadian Urban Institute
- South Bayside System Authority Energy Master Plan** -- Arvind Akela, Mechanical Engineer, P.E., LEED AP, Camp Dresser & McKee, Inc. (CDM)
- Multiplying the Benefits - Customer Participation in Energy Efficiency Programs** -- Kim Gaddy, Senior Director, Energy Efficiency and Demand Response, Vertex Business Services
- Energy Demand Management: The Human Factor** -- Ingrid Leman Stefanovic, Director and Professor, Centre for Environment, University of Toronto
- The Weakest Link: Failings of the California Energy Efficiency Program** -- Mark Toney, Executive Director, TURN-The Utility Reform Network

MON 1-3PM

2 PEW CENTER Global CLIMATE CHANGE Energy Efficiency INDECO Strategic Solutions for a Changing World

- Chair- Best Practices in Corporate Energy Efficiency** -- Andre de Fontaine, Markets & Business Strategy Fellow and Manager, Corporate Energy Efficiency, Pew Center on Global Climate Change
- Chair- Estimating employment from demand-side initiatives in Ontario using an input-output model** -- David Heeney, President, IndEco
- Fuel and Emissions Management in the Aviation Sector** -- Philip Henderson, Environmental Consultant, Optimized Systems and Solutions
- The Potential for Energy Efficiency and Renewables as Resources in Wholesale Capacity Markets** -- Cheryl Jenkins, Consultant, Vermont Energy Investment Corporation
- Using Recovery Funds to Build an Energy Efficiency Program: The Tucson Experience** -- David Schaller, Sustainability Administrator, City of Tucson
- Marketing Energy Efficiency to Businesses: Applying the Lessons of Social Science Research to Maximize Program Impact** -- J. Michael Walker, President, Beacon Consultants Network Inc.

MON 3:30-5:30 PM

3 Utility-Scale Renewable Energy Integration

- Chair- Connecting the dots - putting green investments on a level playing field** -- Naoki Shimoda, Director, Strategic Decisions Group
- Chair- Regional Approach to Integrating Renewal Energy Projects** -- Jeffrey Plante, Program Director, Environmental Resources Management
- Transmission of Combined Renewable Energy Generation** -- Jay Abbott, Renewable Energy Project Manager, Black & Veatch
- Superconductor Electricity Pipelines: A New Underground Transmission Solution** -- Jack McCall, Director, T&D Systems Business Development, AMSC - American Superconductor
- Improving grid stability through integration of energy storage in utility scale photovoltaic plants.** -- Jabier Patino, Sr Consultant, Sargent & Lundy
- Wind and Solar Following with Legacy Fossil-Fired Units** -- Mark Payne, Senior Project Manager, Stanley Consultants, Inc.
- Transmission Access and Interconnection - Essential Ingredients to Successful Integration of Renewable Energy** -- Erik Swenson, Partner, Fulbright & Jaworski L.L.P.

TUE 7:30-9:30AM

4 IT Energy Efficiency & Education

- Chair- Training Renewable Energy Staff** -- Annonette Alberti, Vice President, Tetra Tech EC, Inc.
- Chair- IT Energy Efficiency 101: What Program Managers Should Know** -- J. Michael Walker, President, Beacon Consultants Network Inc.
- Intern Programs Provide Low-Cost Alternatives for Implementing Energy Efficiency Projects** -- David Carter, Pollution Prevention Specialist, Kansas State University Pollution Prevention Institute
- Leveraging Semiconductor Technology to Solve Practical Power Consumption Issues** -- Rachid Kaina, Microstaq -- Rachid Kaina, General Manager, Microstaq Inc.
- Student Interns Conduct Industrial Energy Efficiency Assessments** -- Roger Price, Senior Technical Specialist, Penn State University

TUE 10-12 NOON

5 camco Energy Conservation & Storage

- Chair- Energy Conservation Measures in Buildings as a Carbon Offset Project** -- Dagmar Epsten, President, The Epsten Group, Inc.
- Chair- Environmental and System Benefits of Distributed Thermal Energy Storage** -- Joel Swisher, Technical Services Director, Camco International
- Energy Storage for a Greener Future** -- Terry Andrews, Western Region Sales Manager, LEED AP, CALMAC
- Ground Source Heat Exchange** -- Gregory DeSart, President/Owner, Geotechnical & Environmental Services, Inc.
- Quality Environmental Compliance Programs at Power Plants Equal a Secure Power Grid.** -- Jeffrey Simmerman, Lieutenant Commander USCG (ret) CIPS, Environmental Resources Management (ERM)
- Integrating grid scale Energy Storage to facilitate renewable integration: Role of technology and policy innovations** -- Rahul Walawalkar, Sr. Energy Consultant, Customized Energy Solutions Ltd.

TUE 1-3PM

6 NERC Energy Efficiency Economics ACE

- Chair- Examining the Scale of the Behavioral Energy Efficiency Resource** -- Karen Ehrhardt-Martinez, Senior Associate, American Council for an Energy-Efficient Economy
- Chair- Appliance Efficiency Leaders** -- Pierre Bull, Energy Policy Analyst, Natural Resources Defense Council
- Valuing Customer PV Demand Savings—A model approach** -- Denise Richerson-Smith, Director, Renewable and Energy Efficiency Programs, Tucson Electric Power
- Tribal Energy Efficiency Programs** -- Darcy Anderson, Senior Project Manager, Redhorse Corporation
- Energy & Environmental Innovation - Research & Development Tax Incentive** -- Greg Lormand, Director, Tax Services, BCP Engineers & Consultants
- Energy Economics - A true evaluation of avoided energy costs** -- Scott Swaaley, Senior Electrical Designer & Renewables Consultant, Mazzetti Nash Lipsey Burch
- Cost Savings through Energy Efficiency** -- Tom Arnold, VP Energy Efficiency and Carbon Solutions, EnerNOC, Inc.

TUE 3:30-5:30 PM

7 NEXTENERGY Energy Management

- Chair- Net Metering in Massachusetts** -- Shaela Collins, Counsel, Department Of Public Utilities
- Chair- Advanced Mobile Microgrids: Challenges in Distributed Generation (DG) for Military and Civilian Applications** -- David McLean, VP, Technology Collaborations & COO, NextEnergy Center
- Intellectual Property's Role in the CleanTech Revolution** -- Susan Betcher, Of Counsel, Patent Attorney, Perkins Coie
- Southern California Edison (SCE) Demand Response Feasibility Study for the Sewage Treatment Industry** -- Lawrence Leong, Vice President, Kennedy/Jenks Consultants
- Energy Management - A Tale of Two Systems** -- Wilhelm Wang, Manager, Business Sustainability, BSI Group
- Connecting Renewables to the Grid - Now!** -- John Stough, Vice President, Exelon Transmission Company
- Customer Behavior- Building Energy Management Programs** -- Richard Mueller, President, Widefield Technology, Inc.

WED 7:30-9:30AM

8 Smart Grid Desert Sky Group

- Chair- Distribution System Efficiency/Optimization: Can a Grid be "Smart" Without Touching Customers?** -- Jon Brock, President, Desert Sky Group, LLC
- Chair- Evolution and Optimization of Energy Efficiency and Smart Grid Measures** -- Tony Georgis, Project Manager, R.W. Beck, Inc.
- Smart Grid Policy and Global Warming** -- Chris King, President, eMeter Strategic Consulting
- Managing Cyber Risk in a Smart Grid Inter-Connected World** -- Michael Echols, Critical Infrastructure Security Practice Lead, SAIC
- Smart Grid Sensor SOA** -- Keith Biesecker, Sr. Principal Engineer, Nobliss
- Cybersecure ATaRS for Smart Grid Actionable Intelligence** -- Alex Dely, Contracts Manager, Raytheon Missile Systems
- Smart Grid & Privacy: What Will Your Fridge Know About You?** -- Susan Lyon, Of Counsel, Perkins Coie LLP

WED 10-12 NOON

Track K Solar & Renewable Energy

1 Feed-in-Tariff Program

- Chair- Power Purchase Agreements and the Utilities Commission--An Arizona Case Study** -- M. Ryan Hurley, Attorney, Rose Law Group pc
- Chair- Factors of Enhanced Solar Deployment** -- Jeffrey Michel, Principal, Ing.-Büro Michel
- American Solar Energy Society Policy Recommendations for the 111th Congress : Update** -- David Hill, Managing Consultant, Vermont Energy Investment Corporation
- Tax Credit Financing for Renewable Energy** -- Marc Schultz, Attorney, Snell & Wilmer
- Utility Ownership of Solar Generation in a Deregulated Market** -- Benjamin Spruill, Counsel, Massachusetts Department of Public Utilities
- WDG FITs - the Policy Imperative** -- Craig Lewis, Founding Principal, RightCycle

MON 1-3PM

2 Small Scale Renewable

- Chair- Small Scale Renewable Energy Projects in Developing Countries** -- Michel Maupoux, Program Manager, Green Empowerment
- Chair- Alternative and Emerging Energy Technology - BC Hydro's Approach** -- Allison Morrison, Senior Manager Technology Development, BC Hydro
- Climate Risk Assessment: Hydropower Case Study** -- Donna Boysen, Senior Climate Change Consultant, Tetra Tech EM Inc.
- "Small Wind" as an essential component of stabilizing Department of Defense (DoD) installation operating costs and reducing reliance on fossil fuel energy sources.** -- Joseph Hazeltine, Director, Wyle
- Small scale hydro** -- Gavin Smith, Director, Lancaster University Business Enterprise Ltd
- The Attractive Economics for New Designs of Low-Head Hydropower** -- Alex Tseng, President, ORENCO

MON 3:30-5:30 PM

3 Concentrated Photovoltaic & Solar Power

- Chair- Solar Driven Industrial Processes and Cooling** -- Gary Conley, CEO, B2U Solar
- Chair- A Scalable and Modular Approach to Concentrating Solar Thermal Power** -- Raed Sherif, VP International Market Development, MENA & Asia, eSolar
- Solar Energy & Contracting for Construction Services** -- Kenneth Sullivan, Assistant Professor, Arizona State University
- Concentrated Photovoltaic Systems for Distributed Generation** -- Bob Conner, VP, Photovoltaics, Sempruis
- Concentrating Photovoltaic Systems** -- Nick Figone, Solar Energy Marketing Director, Ecology and Environment, Inc.
- Obstacles & Solutions to Permitting Utility-Scale Solar Facilities** -- Peter Weiner, Partner, Paul Hastings LLP

TUE 7:30-9:30AM

4 Geothermal

- Chair- Harnessing the Recovery Act to Promote Renewable Energy** -- Greg Odegard, Director, Environment, Health & Safety, Terra-Gen Operating Company
- Chair- Thermoelectric Generation for Waste Heat Harvest** -- David Nemir, President, TXL Group, Inc.
- Screening Criteria for Renewable Energy Technologies** -- Kehinde Oshodi-Oritola, Engineer In Training, CDM
- Binary Geothermal Power Production** -- Richard Clayton, Principal Executive Officer, Raser Technologies
- Clean Green Renewable Energy** -- Daniel Kunz, President/CEO, U.S. Geothermal Inc.

TUE 10-12 NOON

5 Wind

- Chair- Laser Wind Sensor Trial Results Yield Increased Power Output and Reduced Stress Loading on Large Wind Turbines** -- William Fetzer, VP for Business Development, Catch the Wind, Inc.
- Chair- [TITLE NOT SUBMITTED]** -- Michelle Montague, , Suzlon
- "Moving" Ground Clutter influence on Radar and Sodar measurements** -- Jean Michel Fage, Chief Executive Officer, REMTECH
- What about the Migratory Bird Treaty Act and wind energy?** -- David Plumpton, Principal Environmental Scientist, Ecology & Environment
- Managing regulatory hurdles in offshore wind projects** -- David Wochner, Attorney, Sutherland Asbill & Brennan LLP

TUE 1-3PM

6 Wind Energy

- Chair- Wind Energy in 2010** -- Michael Rucker, Vice President, Business Development, Clipper Windpower
- Performance Auditing of Meteorological Sensors at Wind Farms?** -- Howard Ellis, President, Enviroplan Consulting
- State Efforts to Encourage Wind Development** -- Patricia Fleischauer, Vice President, TRC
- Developing Wind Energy Projects in a Critical Migratory Flyway** -- Laura Nagy, , Tetra Tech, Inc.
- Cultural Resources Concerns in Wind Farm Siting** -- Jacquie Payette, Cultural Heritage Practice Leader, Environmental Resources Management (ERM)
- Integrating More Wind at Lower Cost through Effective Demand Response Programs** -- Bradley Rogers, Consultant, Navigant Consulting

TUE 3:30-5:30 PM

7 Renewable Energy Strategies

- Chair- Renewable Strategy Development** -- Frank Stern, Director, Navigant Consulting
- Facilitating renewables by identifying zones and transmission corridors** -- Amanda Ormond, Principal, Ormond Group llc
- Renewable Energy Testing Center** -- George Crandell, VP of Operations, Technikon
- Utility Challenges for the integration of renewable energy** -- Phil Smithers, Manager - Renewable Energy Technical Services, APS
- Before Conflict Erupts - Addressing Renewable Project Challenges** -- Lynne Gillette, Director of Operations, US Institute for Environmental Conflict Resolution
- Biodegradable Packaging Solutions from Renewable Resources** -- Hermann Plank, CEO, Bio-DC, Inc.
- Portfolio Decision Analysis of DOE's R&D on Energy Efficiency and Renewable Energy** -- Max Henrion, CEO, Lumina Decision Systems
- Life Cycle Assessment of Renewable Power Projects** -- Carolyn Dumire, Resource Economist, Ecosphere Environmental Services

WED 7:30-9:30AM

8 Renewable Technology & Utilities

- Chair- Utility Solar Generation Valuation Methods** -- Tom Hansen, President, Utility Solar Engineering LLC
- Chair- Utility Solar Business Models: The new evolution of distributed photovoltaic markets** -- Mike Taylor, Director of Research and Education, Solar Electric Power Association
- Challenges and Opportunities of Sustainable Energy Utilities** -- David Armstrong, Partner, Ballard Spahr LLP
- Emerging Issues In Siting & Licensing of Renewable Energy Facilities** -- John Carrier, Program Manager, CH2MHILL
- Community Solar** -- Dave Hutchens, VP, Energy Efficiency and Resource Planning, Tucson Electric Power
- New Alternative / Renewable Source of Energy from Solid Waste Plastics** -- Moinuddin Sarker, Vice President, Natural State Research, Inc.

WED 10-12 NOON

9 Solar Energy, Management & Technology I

- Chair- Marketing Your Solar Business** -- Chris Reich, Business Physicist, TeachU & AMtec Solar
- Chair- Meaningful Photovoltaic Metrics** -- Jeffrey Keyak, Senior Energy Consultant, Kaiser Permanent
- Managing and measuring kilowatt hours: the only path to cost effective solar** -- Mark Culpepper, CTO, SunEdison
- Looking Beyond PV: The Nanoantenna Prospect for Energy Harvesting** -- Steven Novack, Advisory Scientist, Idaho National Laboratory
- Scenario Analysis (SA) of distributed photovoltaic adoption in Phoenix by 2025** -- Pei Zhai, Graduate Research Assistant, Arizona State University
- Trade-offs in Energy Generation Methods** -- Brian Cohn, Student, Arizona State University

WED 1-3PM

10 Solar Energy, Management & Technology II

- Chair- Deluge Renewable Energy Engine** -- Brian Hageman, CEO, Deluge, Inc.
- Chair- Renewable Energy from Irrigation Canals** -- Chris Leyerle, COO, Hydrovolts
- The Solar Tower - A Truly Sustainable Solution** -- Christopher Davey, President, EnviroMission Limited
- Solar Technology Developments** -- Paul Nahi, CEO, Enphase Energy, Inc.
- Ensuring Water Supply for Solar Power Generation** -- Lee Storey, Partner, Ballard Spahr LLP

Environment & Alternative Energy

1 Energy & Environmental Audits

MON 1-3PM

1. **Chair- Measurement and Verification of Energy Savings: Past, Present, and Future** -- Spencer Lipp, Senior Enrgy Engineer, Lockheed Martin
2. **Chair- Managing Your Risk Has Its Rewards** -- Glenn McCarty, Chief Executive Officer, EtQ, Inc.
3. **Automating the Energy Auditing Process** -- Vic Ahmed, CEO, EEMAP Inc
4. **Env Audits - Turning Pain into Opportunity** -- Richard Haskins, EHS Auditor Consultant, Pinnacle West Capital Corporation
5. **How Hard Can It Be?** -- Greg Kolodziej, Director, North America, EnTech USB, Inc.
6. **Combining the Energy Audit with Master Planning** -- Drew Linck, Group Manager, Energy Utilities, Woolpert
7. **Better Energy Management Through Energy Auditing & Analysis** -- Matthew Goss, Mechanical Engineer, CDM

2 Technologies, Strategies & Nuclear

MON 3:30-5:30 PM

1. **Chair- The Hyperion Power Module: Energy to Save the World** -- John Grizz Deal, CEO, Hyperion Power Generation
2. **Chair- Environmental Considerations for Preparing Permit Applications of New Nuclear Power Plants in the United States** -- Ping Wan, Environmental Technology Manager, Bechtel Power
3. **The Impact of the Cogeneration Power and Desalting Plants (CPDP) on the Environment in Kuwait** -- Mohamed Darwish, Professor, Kuwait Foundation for Advancement of Science
4. **Environmental Software For Nuclear Facilities** -- Neno Duplan, President and CEO, Locus Technologies
5. **United States Uranium Production Potential** -- David Miller, CEO, Strathmore Minerals Corp
6. **Vital Link Between Hydrogen And Renewable Energy Development** -- Venki Raman, President, Protium Energy Technologies

3 EHS

TUE 7:30-9:30AM

1. **Chair- EHS Regulatory Tracking and the Use of Social Networking Tools** -- Margery Moore, EHS Alliance Manager, BNA Inc.
2. **Chair- Plan-Do-Check-Act cycle brings a company closer to global compliance** -- Ted Polakowski, Vice President, Citation Technologies
3. **Leading Electric Utility Provider Reduces Costs, Improves Efficiency by Consolidating EHS Systems** -- Dave Cox, Vice President, IHS
4. **Bridging the Divide Between Maintenance Activities and EHS Compliance Activities** -- Scott Lockhart, Vice President - Environment, IHS
5. **The Convergence of EHS and QMS** -- Glenn McCarty, Chief Executive Officer, EtQ, Inc.
6. **Environmental Health and Safety: a New Engine for Business Value** -- Dailey Tipton, Vice President, Sales North America, FirstCarbon Solutions

4 EMIS & Compliance Management

TUE 10-12 NOON

1. **Chair- Demonstration of a GIS Management System for Contaminated Groundwater at a Coal-Fired Plant** -- Africa Espina, Environmental Engineer, Stanley Consultants
2. **Chair- An Electric Utility focused Compliance Information Management System** -- Katie Lindblom, Sr. VP of Product Development, ESC
3. **ProActive Compliance Management in the Midst of Climate Change and Sustainability Initiatives** -- Don Cheatham, Internal Audits, Southern Company
4. **White Tags® Reduce Cost of Energy Efficient Compliance** -- Alden Hathaway, SVP Business Development, Sterling Planet, Inc
5. **Turning the cost of compliance into a competitive advantage** -- Frank Ivoska, President, IEA / regAction
6. **EMIS Strategy and Implementation Assessment - APS** -- Rich Jenks, Principal Consultant, Trinity Consultants / T3
7. **What's new and improved with Environmental Management Information Systems (EMIS)?** -- Derek Mitchum, Vice President, Trihydro Corporation

5 PHEV: Plug-In Hybrid Electric Vehicles

TUE 1-3PM

1. **Chair- [TITLE NOT SUBMITTED]** -- Mark Duvall, ,
2. **Chair- [TITLE NOT SUBMITTED]** -- Eladio Knipping, ,
3. **Integration of Plug-In Electric Vehicles Into The Smart Grid** -- Xavier Baldwin, Principal Electrical Engineer, Burbank Water & Power
4. **Biofuels – Making Their Acceptance a Reality** -- Al Ebron, Executive Director, National Alternative Fuels Training Consortium

6 UK-US Technologies & Strategic Opportunities

TUE 3:30-5:30 PM

1. **Title to be confirmed** -- Dave Atkinson, , Palsrec
2. **Particulate CEM for Wet FGD applications** -- William Averdick, , PCME
3. **[TITLE NOT SUBMITTED]** -- Eric Chen, Director, Ecosky Environmental Solutions
4. **An Innovative Approach To Air Pollution Monitoring & Servicing** -- Duncan Mounsr, , Plasrec
5. **[TITLE NOT SUBMITTED]** -- Khalil Yousuf, Chief Executive, Simple Energy Ltd

7 Hydrogen

WED 7:30-9:30AM

1. **Geothermal Heat Pump Business Plan for Spain** -- Wael El-Sharif, President, 360 Energy Group, 360 Energy Group
2. **Hydrogen Energy - Pragmatic Realities Of Transition** -- Raymond Hobbs, Senior Engineer, Mountain States Hydrogen Buiness Council
3. **Development of Metal Oxide Supported Cathode Catalysts for Polymer Electrolyte Membrane Fuel Cells** -- Branko Popov, Carolina Distinguished Professor, University of South Carolina

8 LEED-EB Green Building

WED 10-12 NOON

1. **Chair- Everything You Need To Know About the New LEED Credentialing System** -- Patricia Ewanski, Founder/Green Building Consultant, Ewanski Consulting
2. **Chair- The Economics of LEED-EB for Single Buildings and Portfolios** -- Michael Amy, President, Leonardo Academy Inc.
3. **Building Energy Efficiency Made Easy** -- Terry Bell, Managing Director, Harmonics Limited Inc.
4. **Hydrogen Injection In Waste Fuel Emulsion for Large CI EMD Generators** -- Scott H. Cramton, Technical Advisor, Consorcio LAESA, Ltd.
5. **Maximizing Energy Efficiency in Existing Buildings** -- Patrick Giordano, President & CEO, GEV Corp.
6. **Energy Performance Score – Benchmarking buildings** -- Sean Penrith, Executive Director, Earth Advantage Institute
7. **Prototyping and testing energy efficient building technologies: the SRBIT facility at ASU** -- Benjamin Ruddell, Assistant Professor, Arizona State University
8. **The Green Energy Park of Tomorrow** -- Matthew Traister, Senior Managing Engineer, O'Brien & Gere

EUEC 2010 Exhibitor List

Booth	Company Name	Booth	Company Name	Booth	Company Name
413	ADA Environ. Solutions	714	Eastern Technical Assoc.	822	NSF-ISR
318	AECOM Environment	515	EcoChem Analytics	518	O'Brien Corporation
231	Air Hygiene International	901	Ecology and Environment, Inc.	719	Ohio Lumex
429	Air Quality Services	L4	EERC	914	Ontario, Canada
217	Air Tox Environ.	911	EMPS, Inc.	423	Opsis
516	Airgas	700	Enablon North America Corp.	618	Parker Hannifin Corp.
717	Airtech Environ. Services	101	Energy Storage and Power	218	Particulate Control Tech.
406	Albemarle Sorbent Tech.	806	Enviance, Inc.	524	Pavilion Technologies
915	Alliance Source Testing	526	Environmental Consulting & Tech.	309	Perillon
200	Alstom Power	425	Environmental Data Management	622	Perma Pure
606	Altech Environment USA	330	Environmental Energy Services, Inc.	108	Point Carbon
328	AlterEcho	317	Environ. Solutions & Innovations, Inc.	611	Process Barron
322	AMEC Earth & Environmental	517	Environmental Supply Co., Inc.	212	Process Combustion Corporation
530	American Ecotech	201	Environmental Systems Corp. (ESC)	715	Puregas
619	AMP - Cherokee	600	EPRI	908	Rainsoft Water Treatment Products
707	Apex Instruments, Inc.	306	ERM	L1	Reliability Information Analysis Ctr.
818	APX	706	EtQ	316	REMTECH Inc.
723	Arcadis	311	Evonik Energy Services	116	Resolution Analytics, Inc.
726	Arizona Instrument	917	FirstCarbon Solutions	612	RMB Consulting & Research
227	Ashtead Technology	701	FMC Corporation	315	RW Beck / SAIC
425	ATC Associates	529	Frontier GeoSciences, Inc.	307	Ryerson, Master & Associates
115	Atmospheric Systems	419	Frontline BioEnergy, LLC	900	SAP America, Inc.
216	B3 Systems, Inc.	331	Fuel Tech	814	SGS Environ. Services
812	BETE Fog Nozzle, Inc.	712	Gasmet Technologies	301	Shaw Group, Inc.
815	BioAlgene, Inc.	615	GE Energy Management Svcs.	909	Shelter One, Inc.
117	Bio Reaction Industries	800	GOLDEN Specialty Consulting	907	Shick USA
L3	BlueNext	324	Golder Associates, Inc.	407	Sick Maihak, Inc.
708	BNA	314	Grace Consulting, Inc.	609	Solvay Chemicals, Inc.
323	Brooks Rand Labs	109	Hard Hat Services	112	Southern Air Solutions
730	Buhler Technologies LLC	813	HDR	716	Southern Research Inst.
312	Burns & McDonnell	830	Horiba Instruments, Inc.	713	Spectra Gases
807	C TRADE	607	IEA / regAction	500	Spectrum Systems Inc.
801	Calgon Carbon Corporation	601	IHS	207	Suzlon
628	Calif. Analytical Instruments	L2	Industrial Accessories Co.	522	Teledyne API
114	Carbon TradeEx America	206	InteleX Technologies	506	Teledyne Leeman Labs
219	Cartwright & Associates	223	JBR Environ. Consultants	506	Teledyne Monitor Labs
617	Catalyst Air Management	R2	Jupiter Oxygen Corporation	229	Tetra Tech Inc.
513	CDM, Inc.	215	Kiewit	214	The Avogadro Group, LLC
528	CEM Service Group	817	LI-COR Biosciences	401	Thermo Scientific
213	Cemtek Environ., Inc.	104	Locus Technologies	415	Tower Systems
412	CH2M Hill	418	Lumina	414	Trafag AG
725	Chemtura	616	M & C Products Analysis Tech.	327	TRC Companies
629	CiSCO - Custom Instrumentation Svcs.	824	Macquarie Bank	523	Trinity Consultants
519	Citation Technologies, Inc.	816	Markit Environmental Registry	826	Trinity Services
417	Civil & Environ. Consultants	625	McIlvaine Company	627	Tyco Environ. Systems
507	CleanAir Engineering	630	Metco Environ.	825	UK Trade & Investment
624	Clyde Bergemann Bachmann, Inc.	614	MIDAC	912	U of Toronto, CFE
106	CMC Solutions	512	Midwesco Filter Resources	110	United Chemi-Con
113	CoaLogix	225	Mississippi Lime Company	905	United Conveyor Corporation
R3	Colt - Power Services Division	819	Misys Open Source Solns.	514	United Sciences Testing
728	Compliance Assurance Associates	718	MKS Instruments	722	Universal Analyzers
325	Contec Systems	623	MSI / Mechanical Sys.	319	URS Corporation
626	Control Analytics, Inc.	300	Nalco Mobotec USA	501	US DOE Fossil Energy/Clean Coal
119	CPF Dualam	427	Nexus Solutions	R1	US EPA OSWER
631	Dakota Software	431	Nol-Tec Systems, Inc.	809	Vensoft Inc.
808	DNV	422	Norit Americas Inc.	525	VIM Technologies
				326	Western Cultural Resource Mgmt.
				416	Weston Solutions, Inc.
				903	Windkraft Nord USA, Inc.

Only 10 Booths Available.

Call by January 8th to reserve a prime exhibit location.

Pre/Post Conference Workshops

Pre/Post Conference EUEC Workshops are an excellent educational event, supplementing the annual conference and expo. This year, all are held at the Sheraton Downtown Phoenix, Sunday January 31st and Thursday February 4th, 2010. COST is \$295 for half day and \$495 for full day workshops.

Register for a workshop and receive a VIP EUEC Registration - 60% OFF

Pre-Conference Workshops

Sunday, January 31

1. Introduction to Carbon Trading & Finance

Half Day, PM - Peter Fusaro, Global Change Associates & Prabhu Dayal, CTrade

2. Understanding the Developing North American Carbon Markets

Full Day - Rodney White & Sonia Labatt, Center for Environment, University of Toronto

3. Permitting & Compliance Strategies

Full Day - Eric Hiser, Jorden Bischoff & Hiser P.I. C.

4. Negotiating Permit Conditions

Full Day - Ruth Silman, Nixon Peabody LLP & Gary McCutchen, RTP

5. GHG Inventory Management

Half Day, PM - Victoria Evans, URS

6. Design and Oversight of Emission Testing Programs under EPA's Proposed Information Collection Request

Half Day, AM - Weston Solutions

7. PM2.5 NSR Implementation and NO2/SO2 1-hr NAAQS Issues

Half Day, AM - Robert Iwanchuk & Robert Paine, AECOM

8. Mercury Control

Half Day, PM - Sid Nelson, Sorbent Technologies

10. EPA Mandatory GHG Reporting Rule Workshop for Power Generation Facilities

Half Day, PM - Trinity Consultants

11. PM2.5 Measurement, Modeling, Emission Factors and Regulatory Climate for Utility Combustion Sources

Half Day, AM - Rick DeCesar & Walter Gray, MACTEC

12a. Introduction to Greenhouse Gas Accounting

Half Day, AM - Gao Pronove, GHG Management Institute

13a. ECR101: Introduction to Managing Environmental Conflict

Half Day, AM - US Institute for Environmental Conflict Resolution

13b. Interest-Based Negotiation

Half Day, PM - US Institute for Environmental Conflict Resolution

15. The NSR Tailoring Rule: Current Issues in Climate Change Policy and Regulatory Issues: Finding Your Way Through the Maze

Half Day, PM - US Institute for Environmental Conflict Resolution

Post-Conference Workshops

Thursday, February 4

9. Introduction to Creating a Carbon Neutral Product

Half Day, AM - Nick Andrews, Center for Sustainability and Excellence

A CSE Life Cycle Assessment workshop will focus on the fundamentals of measuring the Carbon Footprint of different product lines, in order to create a Carbon Neutral product. By measuring the CO2 emissions linked to sourcing the ingredients, manufacturing and transportation of products, a company can create a strategy to reduce the CO2 emissions created and therefore reduce its overall Carbon Footprint towards zero.

12b. Advanced Greenhouse Gas Verification Practicum

Full Day - Gao Pronove, GHG Management Institute

This advanced verification practicum is designed for individuals that have completed the Greenhouse Gas Management Institute's "Verification for GHG Inventories and Projects" course as well as associated prerequisites, available immediately through the Institute's e-learning program. The verification prerequisite will require approximately 60 hours of coursework prior to the workshop. Therefore, parties interested in participating in this workshop must enroll in the online verification course by 1 November and pass the related proficiency examination by 15 January. For more information on the "Verification for GHG Inventories and Projects" course as well as required prerequisites, visit the GHGMI website: www.ghgmi-institute.org.

14. Getting Started With LEED-EB OM 2009

Half Day, PM - Michael Army, Leonardo Academy

This half-day training session provides an introduction to the LEED®-EB O&M 2009 (Leadership in Energy and Environmental Design – Existing Buildings Operation & Management), a rating system developed by the U.S. Green Building Council (USGBC). It covers the general structure of LEED and how LEED-EB fits into this structure. The overview covers the purpose of LEED-EB, the implementation process, what is new in LEED-EB O&M 2009 relative to earlier versions of LEED-EB, the LEED-EB Prerequisites and a review of selected LEED-EB Credits. The economics of LEED-EB are also covered.

16. LEED Green Associate (GA) Exam Prep Course

Half Day, AM - Patricia Ewanski, Ewanski Consulting

A practical workshop for architects, engineers, contractors, consultants, real estate professionals, facilities professionals, business managers, and anyone else interested in certifying buildings to the LEED standard. This course prepares you for the Green Associate credentialing exam. The more advanced Specialty (AP+) exams are comprised of two parts: Green Associate & the Specialty. If you are interested in pursuing a LEED AP+ Specialty credential then take this course to pass the first part of the exam and then take one of our LEED AP+ Specialty Exam Prep Workshops (www.ewanski.com) to pass the second Specialty section.

Visit www.euec.com for more details.

Exhibit Info & Program Advertising

Exhibit Spaces

Exhibit booth fees include the following benefits and services:

- One (1) 10'x10' booth
- One (1) 6' draped table
- Two (2) chairs
- Side-Rails and backdrop
- Power (1-500W outlet)
- Carpeting (10'x10')
- Daily trash removal
- Hall security during closed hours

**ONLY 10
BOOTHS LEFT**

Additional furniture and customized company signage are available upon request at the expense of the exhibitor. Upon receipt of your signed contract and full payment, an Exhibitor Service Kit will be mailed to you from US EXPO, the official EUEC 2010 service coordinator in December, 2009.

EXHIBITOR BENEFITS

Dedicated exhibit hall hours during conference
All Networking and Refreshment breaks held within expo area, with additional seating throughout hall, allowing maximum exhibit exposure

Bronze Sponsor \$5,000

- One (1) premium corner 10'x10' exhibit space located in the front, or rear of exhibit hall
- One (1) complimentary Session Sponsorships with Company Logo in Program & Web
- Recognition as an exhibitor in the conference program book with product/ services description
- One (1) complimentary full conference registration for entrance to exhibit hall, all technical sessions and networking and refreshment breaks

Premium Exhibitor \$3,500

- One (1) premium corner 10'x10' exhibit space
- Recognition as an exhibitor in the conference program book with product/ services description
- One (1) complimentary full conference registration for entrance to exhibit hall, all technical sessions and networking and refreshment breaks

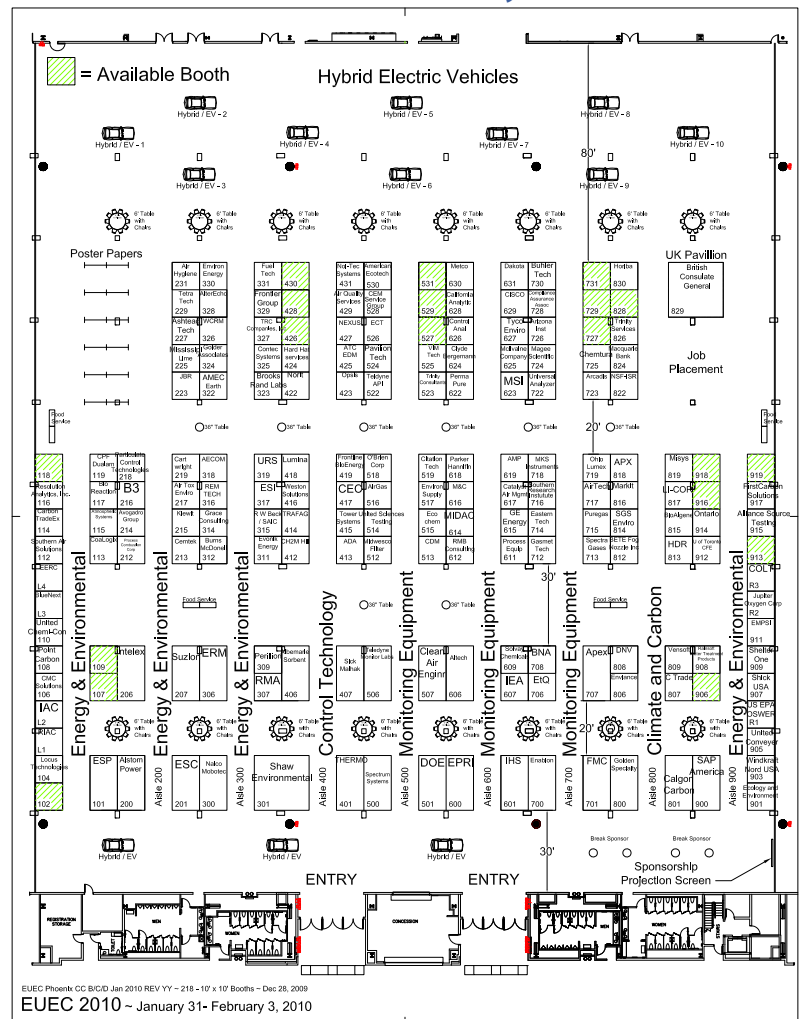
Standard Exhibitor

\$3,000

Reduced: \$2,500

- One (1) 10'x10' exhibit space
- Recognition as an exhibitor in the conference program book with product/ services description
- One (1) complimentary full conference registration for entrance to exhibit hall, all technical sessions and networking and refreshment breaks

Exhibit Hall Layout



Advertising

Deadline: January 8th, 2010

Advertising is accepted for the official EUEC 2010 Conference Program as follows:

Full Page Color Ad (Inside Cover)	\$5,000
Full Page Color Ad	\$3,500
Half-Page Color Ad	\$2,000
Quarter-Page Color Ad	\$1,000

For complete information and specifications, email Jamie at info@euec.com



Sponsorship Opportunities

In addition to Trade Show Sponsorship Packages with Exhibits at EUEC 2010, the Conference offers individual companies special marketing and promotion opportunities. These opportunities cover a wide spectrum such as basic logo placement to more comprehensive ones such as Company Promotion and Marketing to more than 2,000 delegates expected to participate at EUEC 2010.

Advertising Banners 10/\$2,000

Your company banner hanging at the front entrance of the expo hall or near the registration area for the duration of the event.

Advertising in EUEC Newsletter & Web \$1,000

Your company logo or advertisement sent to 35,000 professionals in the EUEC monthly newsletter, and included in EUEC website with logo.

Brochure Distribution at Registration \$500

Distribute your company brochures or flyers at the registration area for the duration of the event.

Coffee Coupon 3/\$3,000

Your company logo imprinted on a coffee coupon for all full-conference registrants. Attendees can use the card to get free takeout coffee before going to technical sessions at several participating coffee shops.

Delegate Bags 1/ \$10,000

Your company logo printed on conference lanyards distributed to 2000+ attendees.

Delegate Lanyard 4/ \$5,000

Your company logo printed on conference lanyards distributed to 2000+ attendees. **1-Sold!**

Delegate Flash Drive 1/ \$10,000

Your company logo and Ad embedded on flash drive containing Audio and Power Point Conference Proceedings. Flash Drive is mailed to all 2000+ attendees.



Green Carbon Neutral Conference

Help make the 13th Annual EUEC conference entirely GHG-neutral, creating a zero carbon footprint & retire carbon credits.

Media Partnership \$500-\$1,000

Promote EUEC for free media exchange packages. Media Partnership includes:

- 1 Table-top booth
- Logo + link
- Opportunity for Free Press Pass - Admission to Exhibit Hall and Technical Sessions

Networking and Refreshment Break Sponsorship

During EUEC Breaks (Mon 2/1-Wed 2/3)

1/2 hour during refreshment breaks	6/\$5,000
1 hour during lunch (12-1pm)	3/\$10,000
1 hour during reception (5:30-6:30pm)	2/\$15,000

1 Dinner Reception Sold!

- All EUEC Networking refreshment breaks will be held inside the Exhibit Hall. Seating areas with marketing material will be placed throughout the hall, allowing maximum company exposure.
- Logo and marketing in Program Guide, web and signage.
- Additional marketing materials available for use during refreshment breaks: microphone, large overhead screen, display table with skirting, area for company banner.

Pre/Post-Conference Mailing List \$500

Great to mail Post-Cards to 1,500+ pre-registered guests and clients.

Session Sponsor \$2,000

Your company logo with link placed prominently on website, program book, and session signage.

For more information,
please contact EUEC:

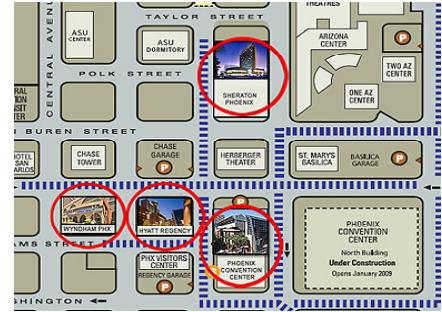
Phone: 520-615-3535

Fax: 602-296-0199

Email: info@euec.com

Hotel Accommodations

Please register early to ensure your selection of hotel accommodations. Group discount rates are available, but will be given on a first-come first-served basis. Both the Hyatt Regency Phoenix and the Sheraton Phoenix are within walking distance from the Phoenix Convention Center, the location of the EUEC 2010 conference.



Hyatt Regency
122 North Second St.
Phoenix, AZ 85004

EUEC Rate: \$227



Sheraton Phoenix
340 North 3rd St.
Phoenix, AZ 85004

EUEC Rate: \$225

Don't worry if you've missed a presentation -
the EUEC 2010 Flash Drive includes all 650+ Technical Presentations...

www.euec.com

EUEC 2010 Conference Proceedings, delivered on a flash drive, is an excellent investment, especially if you cannot make it to the conference itself. All Technical Presentations will be stored on the flash-drive, with an audio option, and delivered to your door, weeks after the conference.

Conference Proceedings

Program Guide	\$50
Flash-Drive*	\$295
Flash-Drive with Audio*	\$495

*includes all 650+ technical presentations

Email info@euec for more info.

Contact EUEC

P. O. Box 60076

Tucson, AZ 85728

Phone: 520-615-3535

Fax: 602-296-0199

Email: info@euec.com

www.euec.com

