

ASSOCIATION OF ENERGY ENGINEERS - NEW ENGLAND CHAPTER








NEW ENGLAND ENERGY

December 2004 Newsletter



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Visit our website
www.aeenewengland.org

Continuous Commissioning of HVAC Systems & Chiller Plants

Wednesday, December 1, 2004

Please join us in sharing the thoughts of three diverse speakers from three different companies who will discuss their approaches to continuous commissioning & continuous re-commissioning. This will include explanations of how they apply their "AI" software technologies to optimize chiller plants, boiler plants and tune-up HVAC systems.

This will be an exciting discussion on a hot, rapidly growing segment of our industry and "must have" knowledge for owners and contractors alike.

Speakers Backgrounds

FEATURED PRODUCT: Performance And Continuous Re-commissioning Analysis Tool (PACRAT)

Speaker: Jay Santos, PE is a Cofounder and Principal at Facility Dynamics Engineering Corp. in Columbia, MD



Jay is involved in DDC Master Planning, Controls and Commissioning Training, and Controls Design and Commissioning projects. He has 24 years experience; 13 with FD&C, 2 with an ESCO and 9 with the Air Force. Jay has developed and teaches DDC courses for the University of Wisconsin, Iowa State University and North Carolina State University. He has also developed a "hands-on" commissioning course and teaches this for Iowa and PECL. Jay has overseen DDC/Control Master Plans for the University of California - Davis, American University, Marine Corps Base Hawaii, Fairfax County - VA Public Schools, Lawrence Livermore Labs and DC Government. He has managed controls design efforts for NIH, GSA, Aerospace Corporation and Wake Forest University.

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FEATURED PRODUCT: EnergyWitness™ – Continuous Commissioning & E.W. – Chiller Plant

Speaker: Gregory Cmar, Cofounder, CTO at Interval Data Systems (IDS) in Watertown, MA.

Greg is most knowledgeable when it comes to energy systems and how interval data can be used to manage them. He brings 30 years of experience in facility operations, energy conservation, energy analytics, energy auditing, monitoring and control systems, and utility billing, as well as database, application and automation technologies to IDS. Greg leads the product definition and development effort as well as the energy management services team.

Prior employment includes being a cofounder and director of engineering at For-Power, an energy conservation consulting firm; engineering manager at Coneco, an energy services company and subsidiary of Boston Edison; vice president of Energetech Systems, an energy monitoring and control systems contractor; and various roles at Johnson Controls, the Massachusetts Energy Office, and Honeywell. <http://www.intdatsys.com/EnergyWitness.htm>

Greg holds patent #5,566,084 for the process for identifying patterns of electric energy, effects of proposed changes, and implementing such changes in the facility to conserve energy.



FEATURED PRODUCT: IUE SUITE® Intelligent Use of Energy

Speaker: Dr. Dirk Mahling, Chief Technology Officer at WebGen Systems in Cambridge, MA

Dirk Mahling, a recognized thought-leader in energy management, joined WebGen in 2000 as chief technology and chief information officer. WebGen's IUE® System, which Mahling co-created, demonstrates the value advanced information technology can bring to energy management, controls, and facilities.

Prior to joining WebGen, Mahling served as chief knowledge officer and vice president of e-solutions for Primix Solutions, which has been acquired by Burns&amp;ndash;sand, a North American business consulting and technology services company. He has also served as a knowledge management consultant for Ernst & Young, LLP, and as a chief architect for A.T. Kearney.

Mahling currently has a faculty appointment at the University of Pittsburgh, School of Information Sciences. He has also worked with the University of Massachusetts and Federal German Institute for Research on Artificial Intelligence.

For more than 15 years, Mahling has contributed to the fields of artificial intelligence, knowledge management, Internet architecture, and graphical user interface. He has published extensively on these topics in the trade press and in academic journals, and is a frequent speaker on energy management and information technology.

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or

Email Reservation To - arthur1771@aol.com

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PRESIDENT'S MESSAGE

President: Joseph Hall

The Holiday season is upon us and we look forward to our hosting our Annual meeting with **ASHRAE** Dec.1st. Our November Meeting featured Chapter Sponsor displays and the Rapid-fire Presentations. Thanks to Rich Costello for organizing and serving as Master of Ceremonies, dual roles for which he is well suited.

We were proud to present 5 young scholars (photo on website) with \$5000 in scholarship grants. This philanthropic activity has a long tradition in our Chapter. Under IRS rules, it also classifies AEE as legal lobbyists to legislators and congressmen. We thank Arthur Orenberg for his stewardship of the scholarship program over the years and welcome Dan Wheatley, incoming Scholarship Chairman.

Chapter Sponsorship allows us to charge no Chapter dues. They provide employment, opinion leaders and business development for this vital industry. Now at the height of our recruitment drive, please contact Jim Donnelly, Chapter VP and Chapter Sponsor Chairman on the many benefits. Any AEE member should feel free to contact me directly on how we may better serve you (click on "Officers" on website).

Heard on the Street...Economy: The price gap is closing between market-based electricity and renewables or on-site generation. By all accounts, energy efficiency is still the best investment. **Business:** Enjoying strong growth are **Toyota**, selling the hybrids Prius and Highlander SUV and **Evergreen Solar** in Marlboro, a manufacturer of PV. **Funding:** Mass Technology Collaborative will soon announce a 3rd round of funding for Commercial, Industrial and Intuition Program. Grants up to \$600k, and feasibility studies up to \$40,000 for LEEDS, Green Buildings Technology and Renewables. Solicitations are due early 2005, on St. Patrick's Day. Visit their website at www.masstech.org, click on Green Buildings. Make it a good day.

Joe Hall

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The local Chapter of AEE is the largest in the world. Did you know there are over 700 AEE members in Massachusetts, Rhode Island, Connecticut and Vermont? Thanks to our Corporate Sponsors, local Chapter charges no dues. Please consider Corporate Sponsors (listed on website and Newsletter) when you need energy-related products and services.

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JOB ADVERTISEMENTS

ACCOUNT EXECUTIVE

FMC Technologies, Inc., is a growing multi-product Building Automation System Provider / Systems Integrator who is seeking a sales professional to assist us in reaching our internal growth goals. This key player will be responsible for generating leads, appointments, and sales from accounts in the New England area. Must meet/exceed a quarterly sales objective, be skilled in understanding customer needs and able to work through the various stages of the consultative selling process. Must be self-motivated and goal oriented. Requires excellent written and oral communication skills.

Three to seven years experience in controls, building automation, energy conservation or related field is required. Candidate should have excellent prospecting and presentation skills with an understanding of the technology used in energy conservation.

For immediate consideration, please submit cover letter and resume to:

bcrafts@fmc-technologies.com

Unemployed?

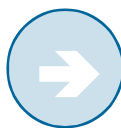
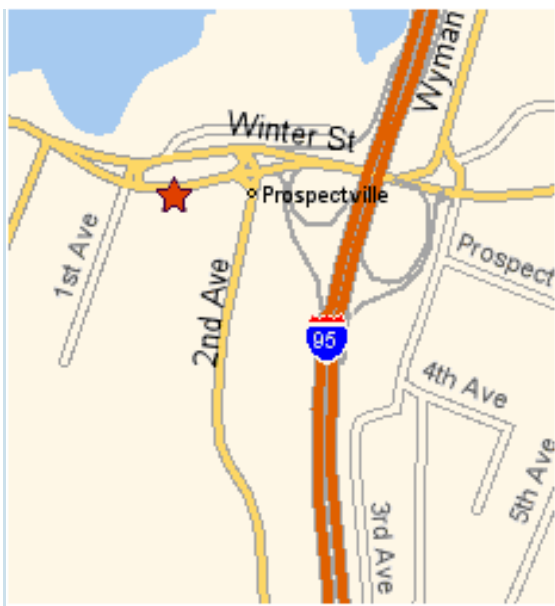
Members of the AEE New England Chapter who are displaced in their career may submit "Positions Wanted" advertisements at no

Interval Data Systems
Bill Gnerre
President
617-744-1091

Keyspan Energy Delivery
Richard Johnson
C/I Rebate Program Engineer
978- 322-3337

Kraft Power Corp.
David Barstow
*Sales Manager
Stationary Power*
781-938-9100

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Contact Arthur -
arthur1771@aol
For More Information**



Meeting Announcement

Wednesday - December 1, 2004

Doubletree Guest Suites Hotel
 550 Winter Street - Exit 27B off Route 128 (I-95)
 Waltham, MA
 4:30 AEE Board Meeting
 5:30 Registration and Networking
 6:30 Dinner and Presentation

Space is Limited - Reservations Required

Call the Reservation Line Today - 781-446-0125
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Email Reservation To - arthur1771@aol.com

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 508-421-7299

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 781 255-8811 ext. 11

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 Supervisor, C&LM C&I Programs
 860-810-1804

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 Account Executive
 781-441-3847



New England Chapter Sponsored Events

Date	Event	Contact
12/1/04	AEE Chapter Meeting: Chiller Plant Optimization/ Continuous Commissioning	www.aeenewengland.org
1/12/04	AEE Chapter Meeting: Competitive Market for Electricity *Breakfast Meeting	www.aeenewengland.org

Outside Organization Events Calendar: See page 6

Members are invited to submit announcements on recent career changes, promotions, retirements etc. Please send notices to the Newsletter Editor.

UPCOMING EVENTS FROM OUTSIDE ORGANIZATIONS

Date	Event	Sponsor/Contact	Reservations and More Information
12/08/04 10:00 am to 3:00 pm	Energy Efficiency Best Practices in BAS/EMS Museum of Science, Boston, MA Program for C&I customers of Nstar, MECo, Keyspan	Massachusetts Energy Efficiency Partnership	www.maeep.org/events/ems04
1/14-15/05	MotorUp Working Group Meeting	NU Offices, Berlin, CT	Jon Linn - jrutherford@neep.org

Partners Healthcare Systems

Anand K. Seth P.E., C.E.M.
C.P.E., *Director,*
Utilities & Engineering
617-726-2424

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978-562-3538

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860-346-5001 x201

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