

MIT Clean Energy Prize Speaker Series: Identifying Opportunities & Capitalizing on Them

Special Event: Starting a Successful Company based on MIT Lab Technology – The A123 Story

Bart Riley, A123 Co-Founder, CTO & Current Board Member

Thursday January 17 – 6-8:30PM, R&D Pub - Stata Center (Talk 6:30–7:30PM)

Food & Drink Provided

Dr. Bart Riley has more than fifteen years of experience in technology development and commercialization in the advanced materials, portable power and superconductor industries. Bart has been a critical member of the founding team, guiding technology from the MIT Labs (with a team that included an MIT Professor and MIT students) to a rapidly growing 800+ person global company on the verge of something very special in the energy field.

Prior to co-founding A123Systems, Bart Riley was a senior manager for 11 years at American Superconductor. Dr. Riley holds more than 40 patents and has published over 80 papers in the field of advanced materials. Bart has a Ph.D. and M.S. degrees in Materials Science and Engineering from Cornell University and a B.A. in Physics and Geology from Middlebury College.



Luncheon Speaker Series:

Identifying & Discussing Specific Opportunities with the Experts

12-1:30PM, Ashdown House - West Dining Room (305 Memorial - Corner of Mass Ave & Amherst St)

Monday January 14: Opportunities in Solar

Tom Kimbis – Program Manager, US DOE Solar Energy Technologies Program Office

The Solar Technologies Program Office has a \$125M budget in 2007 to facilitate the development and commercialization of new solar technologies that will improve environmental quality and be more economically attractive. Prior to this position, Tom was Director of Market Transformation under the Solar America Initiative (SAI). By complementing DOE's solar R&D activities, market transformation efforts contribute to reaching the SAI goal of cost-competitiveness for solar electricity across all U.S. market sectors by 2015. Key areas of focus under market transformation include codes and standards, net metering, training and certification, Solar America Showcases, Solar America Cities, and utility, city, and state technical outreach. Tom holds a B.A. in Political Science / International Relations from Williams College (MA), and a J.D. from the University of Virginia. See www1.eere.energy.gov/solar for more details.



Tuesday January 15: The Electricity Value Chain: Where Opportunities Exist Today & in the Future

Joseph Nolan – Sr. Vice President, NSTAR

Joseph R. Nolan, Jr. is a Senior Vice President responsible for overseeing the company's customer and corporate relations organizations. He is responsible for all customer services including customer inquiries, account management, billing, metering and energy efficiency. He is also responsible for government and regulatory relations at the local, state, and federal levels; communication services; media relations; community relations; and the NSTAR Foundation. Joe served as Vice President of Government Affairs where he successfully directed the internal and external communications of electric restructuring, the sale of generating plants and the creation of NSTAR. Working closely with NSTAR's CEO, Tom May, Joe has spearheaded the utilities movement into the clean energy space, which has included the NSTAR Green Program and their innovative partnerships with Evergreen Solar and the Cambridge Energy Alliance. Joe is known as a creative, out-of-the-box thinker who is open to new ideas to help move this Massachusetts-based utility into the new world of clean energy. See www.nstaronline.com/about_nstar/green for more details.



Wednesday January 16: The Huge Potential for Innovation in Energy for the Industrial Sector

Sara Dillich – Technology Development Team Leader, US DOE, Industrial Technologies Program Office

The Industrial Sector is the largest energy consumer with the most diverse energy demands and the largest opportunity for energy and emissions reductions as well as fuel flexibility. To address this opportunity, the Industrial Technologies Program works with U.S. industry to improve industrial energy efficiency and environmental performance. The program invests in high-risk, high-value R&D to reduce industrial energy use while stimulating productivity and growth. Sara Dillich is the Team Lead for Technology Development for the DOE-EERE Industrial Technologies Program (ITP) and will discuss their current efforts and where they see exciting opportunities. Sara coordinates R&D investments in industry specific and crosscutting R&D portfolios. Previous responsibilities within ITP have included Aluminum, Forging, Heat Treating, Welding industries. Her prior work experience includes R&D program management with the U.S. Bureau of Mines, teaching materials engineering at the undergraduate and graduate level, and a National Research Council sponsored post-doctoral appointment at the Naval Research Laboratory. She received her Ph.D. in Materials Science from the University of Virginia and has performed research in the areas of electrical contacts, surface modification and tribology. See www1.eere.energy.gov/industry for more details.



Thursday January 17: The Necessity of & the Challenges for a Biomass Economy

Jacques Beaudry-Losique – Program Manager, US Department of Energy, Office of Biomass

This \$240 million program represents one of the most active programs in the DOE today. As Program Manager, Mr. Beaudry-Losique will lead DOE's efforts to achieve significant energy savings in industrial manufacturing. He will oversee the program's budget, personnel, and research efforts. Most recently, he served as an executive level management consultant to many leading edge private sector technology companies. Previously he served as the business development leader of General Electric Power Systems' investment activities, where he was responsible for investing into and managing a portfolio of dozens of strategic technology companies. Prior to this, he worked for Aspen Technology and McKinsey and Company. Mr. Beaudry-Losique holds a Bachelor of Science degree in chemical engineering from the University of Montreal and a Master of Science degree in Industrial Engineering and Engineering Management from Stanford University. As a recipient of a Canadian Science Foundation Fellowship, he attended the MIT Sloan School of Management where he received a master's degree in management. See www1.eere.energy.gov/biomass for more details.



Friday January 18: Vehicle & Fuel: What's Worked, What Hasn't & What Still Needs to be Done

Ed Wall – Program Manager, US Department of Energy, FreedomCAR & Vehicle Technologies Program Office

The Vehicle Technologies Program is developing more energy efficient and environmentally friendly highway transportation technologies that will enable America to use less petroleum. The long-term aim is to develop "leap frog" technologies that will provide Americans with greater freedom of mobility and energy security, while lowering costs and reducing impacts on the environment. Ed Wall leads this multi-million dollar automotive technology R&D program focused on the development of advanced vehicle technologies in support of the FreedomCAR Partnership announced by former Energy Secretary Spencer Abraham on January 9, 2002. This new public-private partnership between DOE and the nation's automobile manufacturers promotes the development of hydrogen as a primary fuel for cars and trucks as part of our effort to reduce American dependence on foreign oil. Under this new partnership, the government and the private sector funds research advanced, efficient fuel cell technologies which use hydrogen to power automobiles without creating any pollution. Mr. Wall received a Bachelor of Science degree in Physics from Muhlenberg College in 1972, and a Master's degree in Geology from the Johns Hopkins University in 1975. See www1.eere.energy.gov/vehiclesandfuels for more details.



A non-pizza lunch will be served at each luncheon. Please make sure to show up on time and plan to stay for full talk. Apply now!!! Luncheon series will have limited space so please apply/sign up by sending a *brief* email stating your interest in attending with your CV/bio to chad.lovell@sloan.mit.edu as soon as possible.

"Office Hours" or individual meetings for each speaker are available after each session. To ensure you get time, please state your interest in the same email as soon as possible. Preference will be given to people entering or considering entering the MIT Clean Energy Prize Competition.