



**US-China Green Energy Council (UCGEC)
Smart Grid Seminar Series:
No.1: Introduction to Smart Grid**

The US-China Green Energy Council’s Smart Grid Steering Committee is pleased to announce its Smart Grid Seminar Series. What is “Smart Grid”? The smart Grid is the platform for integrating renewable energy generation (solar, wind, etc.), electric cars, smart meters, demand response, and many more technologies into the electric utility system. It is the key to energy efficiency and reducing greenhouse gas emissions.

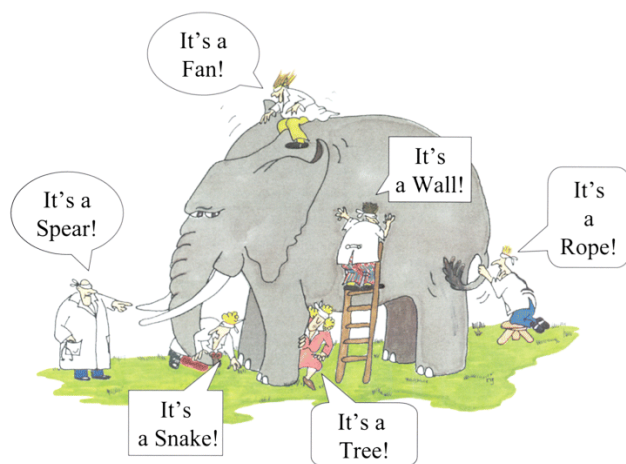
In recognition of the importance of Smart Grid, the United States Energy Secretary, Steven Chu, has placed Smart Grid at the top of the Department of Energy’s priorities. China has also recognized the importance of Smart Grid. China’s more unified system for regulating energy perhaps renders China a more favorable testing ground for Smart Grid – one of the many questions the Smart Grid Seminar Series will endeavor to answer.

The UCGEC Seminar Series will build on the recent success of the two Smart Grid panels from the UCGEC’s 2008 Beijing Conference. The Smart Grid Seminar Series will utilize the collective talents of many Smart Grid experts, including UCGEC President Bob Larson (former IEEE President), to explain what “Smart Grid” means, the benefits to be derived, and the challenges facing its implementation. The UCGEC Smart Grid Seminar Series will differ from other similar seminars in that the UCGEC Seminars will be result-oriented, data-driven and based on industry and business expertise.

The first seminar will provide an introductory overview of Smart Grid. Subsequent seminars will address the different perspectives of technical, business, and investment issues and opportunities surrounding Smart Grid.

April 29 (Wednesday), 6:00PM – 9:00PM
Conference Room Terrace 2D
Wilson Sonsini Goodrich & Rosati
950 Page Mill Road
Palo Alto, CA

6:00-6:30pm: Registration, light dinner and networking
6:30-6:45pm: Opening Speech, Dr. Bob Larson, UCGEC
6:45-7:05pm: Dr. Steve Lee, Electric Power Research Institute
7:05-7:25pm: Dr. Edward G. Cazalet, MegaWatt Storage Farms
7:25-7:45pm: Dr. Chuck Wells, OSIsoft, Inc.
7:45-8:20pm: Open discussion and Q&A
8:20-9:00pm: Networking



Who Should Attend:

- Entrepreneurs, researchers, and engineers seeking the newest ideas in the cleantech sector
- Investors, attorneys, and other professionals interested in green energy challenges and opportunities

Registration:

	Early Bird*	After April 26
General Pass	\$25	\$40 (At Door Cash only)
Student Pass	\$10	\$40 (At Door Cash only)

**Before April 26. UCGEC/fountainblue Member add'l Discount: 20%; Partner Organization Member add'l Discount: 10%*

Space is limited, signup online now. For detailed information about the seminar and seminar registration, please go to <http://ucgef.org/en/activities/seminar/overview>.

Organizer: [US-China Green Energy Council \(UCGEC\)](#)

Founded in Silicon Valley in 2008, UCGEC is a leading non-profit organization that connects U.S. and Chinese individuals interested in green energy. The mission of UCGEC is to facilitate and sponsor high impact cleantech collaborative initiatives and projects between the U.S. and China, and to serve as a platform for the integration of policy, business, investment, and R&D projects for the two countries.

Co-Organizer: [fountainblue](#)



Bob Larson, UCGEC President; Managing Director, Woodside Fund; Former President of IEEE

Robert Larson is Co-founder and Managing Director of the Woodside Fund. Dr. Larson has enjoyed a challenging and fruitful career in the computer and electronics industry for the past 35 years. He has an exceptionally broad exposure to the most recent developments in these technologies. Dr. Larson was co-founder, President, and CEO of Systems Control, a computer systems and software company with 500 employees, including 100 with Ph.D. degrees, prior to its sale to British Petroleum. In addition, he was President of the international Institute of Electrical and Electronic Engineers, the 340,000 member professional society for electrical engineers and computer scientists. Dr. Larson has worked for IBM, Hughes Aircraft, and SRI International. He was also a Consulting Professor at Stanford University in the Engineering-Economic Systems Department for over 20 years. He received his Ph.D. and M.S. degrees from Stanford University, and a B.S. degree from MIT, all in Electrical Engineering. He has written six textbooks and 140 technical papers on software and computer systems.

Steve Lee, Senior Technical Executive, Electric Power Research Institute

Dr. Lee has over 40 years of electric power industry experience. He received his S.B., S.M., E.E. and Ph.D. degrees from M.I.T. in Electrical Engineering, majoring in Power System Engineering, in 1969, 1970, 1971 and 1972, respectively. He worked for Stone & Webster Engineering Corporation in Boston, Systems Control, Inc. in Palo Alto, California, and he was Vice President of Consulting for Energy Management Associates (EMA). Before joining EPRI in 1998, Dr. Lee was an independent Consultant in utility planning and operation. At EPRI, Stephen Lee is involved with technical research programs for power system analysis, planning and operations, and has been actively developing new concepts and tools for power system operation and probabilistic transmission planning. He is considered one of the top Thought Leaders of EPRI. Dr. Lee actively engages the North American Electric Reliability Corporation (NERC) in reliability standards and certain reliability applications. He is active in the research of the Smart Grid at the power grid operations and planning level.

Ed Cazalet, Vice President, MegaWatt Storage Farms

Dr. Cazalet has over forty years of electric power experience as an executive, board member, consultant, and entrepreneur. In 2007 he co-founded MegaWatt Storage Farms. MegaWatt deploys and manages grid-scale electricity storage farms for multiple applications including integration of intermittent wind and solar generation. Dr Cazalet was appointed by California Governor Schwarzenegger in 2004 to a three-year term as a member of the five-person Board of Governors of the CAISO. The CAISO is charged with safe and reliable real-time operation and planning of the high voltage transmission system in California. Dr. Cazalet founded APX in 1996 and served for many years as CEO. He conceived the business opportunity and raised \$66 million in investment capital in three rounds. APX provides independent transaction services for electric power and environmental registries. He founded Decision Focus, Inc. (DFI) in 1976 and led DFI to become a leading firm in energy and electric power market modeling and decision analysis consulting. Prior to DFI, he was an early member of the pioneering Decision Analysis Group at SRI International. With both DFI and SRI, and also as an independent consultant, Dr. Cazalet has participated in and led high-level consulting and decision analysis engagements for several of the world's largest corporations and many government agencies.

Chuck Wells, Platform Architect, OSIsoft, Inc.

Dr. Wells helps OSIsoft customers maximize value from their software and assisting with the development of new features and functions in OSIsoft products. With over 30 years experience in real-time control and monitoring, Dr. Wells published over 50 technical papers, awarded five US Patents, and co-authored two textbooks. Dr. Wells originated the large scale distributed generation applications with Detroit Edison using the DEW software developed at EPRI, designed Phaser applications with Entergy, and compliance monitoring systems with California Independent System Operator. He developed and patented new technology in detecting power grid stability in real time and systems for improving efficiency of pulverized coal fired boilers. He developed carbon efficiency reduction programs using United Nations approved methods. He has also applied innovative OSIsoft technology to Pacific Ocean Environmental measurement systems, transformer condition monitoring systems, and large-scale traffic forecasting problems. At Systems Control, Inc Dr. Wells was a leading developer of large-scale state estimators and worked for many years in the field of sparse matrix inversion techniques. Dr. Wells participated in the development and use of dynamic Kalman filters for real time grid fault detection. Dr. Wells received his BS in Chemical Engineering at Vanderbilt University and a MS in Chemical Engineering majoring in Polymer science and PhD in Electrical Engineering under Prof. John Zaborszky at Washington University specializing in modern control theory and large dynamic electrical power systems. He is a registered Professional Engineer in Chemical Engineering and Control Systems.