

Integrated Community Energy Solutions

Panelist Profiles

January 26, 2011

Moderator- Peter Garforth, Garforth International LLC

Peter Garforth is Principal of Garforth International, LLC a consulting group set up to help companies, cities, communities, property developers and policy makers develop competitive approaches to reducing the economic and environmental impact of energy use. In addition to his current responsibilities Mr. Garforth has also served as a visiting professor at Purdue University, lecturing on business and the economic aspects of energy. Previously he ran a consultancy in Brussels, providing services to companies, utilities, governments and institutions in the USA and Europe, with projects in the USA, Eastern and Central Europe, Indonesia, India and Brazil. Locally, Mr. Garforth was part of the team that developed Loudoun's Community Energy Plan and he is currently working on Arlington's Community Energy Plan. He was also the co-chairperson of the International Advisory Committee at the Alliance to Save Energy in Washington, D.C.

Joe Orlando, PhD, PE, Mid Atlantic Clean Energy Applications Center

As Director of the Mid-Atlantic CHP Application Center, Dr. Orlando was responsible for promoting applications of Combined Heat and Power technologies in the multistate region. His responsibilities included technical assistance to potential CHP developers and/or owners, support of state energy offices, documentation of CHP applications, and a variety of educational activities. He was instrumental in the development of standardized interconnection procedures for Maryland, the adoption of a set of principles for standby rate design for distribution utilities, and a number of site specific CHP project evaluations. He has supported development of projects ranging from a few kilowatts to 120 megawatts. He continues to serve the MAAC as a consultant to Penn State University.

Prior to joining the RAC, as President of Platinum Dr. Orlando was responsible for a variety of energy and central plant assignments both in the United States and abroad. Dr. Orlando has completed a number of assignments throughout the United States over the past twenty five years and has interacted with utilities and energy suppliers throughout the nation. His previous assignments have included: preparation of request for proposals for third party owned clean energy projects; evaluation and design of steam, gas and electric rates; evaluation of campus electric master; electric utility negotiations; facility energy management planning; central Heating and Chilled Water plant management; expert witness services; engineering services including on-site power conceptual designs, engineering management and project development; due diligence and owners agent.

Jes Christensen, Danish District Heating Board

Jes Christensen is the Managing Director at the Danish District Heating Board, representing more than 40 companies in the district heating and cooling industry worldwide and facilitating business opportunities between Danish and foreign companies. Previously, Christensen worked assisting Danish companies in China as the Sector Expert for Energy and Environment at Embassy of Denmark, Beijing and he was responsible for financing of development projects in China, Vietnam, the Philippines and Thailand at the Ministry of Foreign Affairs. He has also served in the Embassy of Denmark, Washington, DC and at the Permanent Mission of Denmark to the United Nations in New York.

Christensen holds a M.Sc. in Economics from the University of Copenhagen and a CBA in Business from the AVT Business School & Harvard Business School Publishing.

Scott Sklar, The Stella Group, Ltd.

Scott Sklar is Chair of the Steering Committee of the Sustainable Energy Coalition and serves on the (non-profit) Boards of Directors of, the Business Council for Sustainable Energy, and the Renewable Energy Policy Project, and CoChairs the Policy Committee of the Sustainable Buildings Industry Council. Sklar is an Adjunct Professor at the

George Washington University teaching a unique multi-disciplinary energy course that began on September 2010. On November 4, 2010 Secretary Locke approved Sklar's appointment to the Department of Commerce Renewable Energy and Energy Efficiency Advisory Committee (RE&EEAC).

Dr. Stephen Hsu, George Washington University

Stephen is a Professor of Engineering and Applied Science at GWU. His current focus is on energy (wind solar, energy efficiency, zero net-energy houses, new nanomaterials for energy efficiency, microgrid). Prior to joining GWU, he spent over 15 years at the National Institute of Standards and Technology as a Sr. Scientist in materials and a member of the Federal Senior Executive Service overseeing national and international programs.

Dr. Hsu has published some 250 papers, received seven US patents, and edited a score of books. He was a Visiting Professor at Penn State University, Esback Fellow at Northwestern University, and Adjunct Professor at University of Maryland where he supervised MS and Ph D theses.

He is a Fellow of ASME, STLE, and a member of ASTM, AcerS, ASM, SAE, and AICHE. He serves on the Editorial Boards of journals, and as a foreign expert reviewer for European Science Foundation, Australia, Canada, Singapore, Sweden, and Hong Kong.

Rob Thornton, International District Energy Association

Rob Thornton is President & Chief Executive Officer of the International District Energy Association (IDEA), a 102-year old industry association founded in the United States in 1909. IDEA has headquarters near Boston. In this role since 2000, Mr. Thornton represents the interests of over 1,400 IDEA members from 26 different countries who design, own, operate or provide products and services to district energy systems that supply steam, hot water, chilled water and energy services in cities, campuses, airports, military bases, and in industrial, research, and healthcare settings.

Mr. Thornton has over 30 years experience in clean energy, including the past 24 years directly in the district energy sector. Prior to leading IDEA in 2000, he served as President and Chief Operating Officer of Northwind Boston and held senior management positions with the district energy utility systems in Cleveland, OH and Hartford, CT. He worked in business development with Reynolds Aluminum Solar Energy and Megatech Corporation, manufacturer of an innovative earth-coupled heat pump. Early on, he conducted research on climate change as an intern at the Energy Policy Information Institute and worked in Appropriate Technologies Program and Office of Consumer Affairs at the US Department of Energy Office in Boston.

Today, Mr. Thornton spends much of his time in Washington, D.C. advocating on behalf of the district energy/CHP industry for more favorable energy and environmental policies. He serves as industry liaison with the US Department of Commerce, the Department of Energy, the Environmental Protection Agency and numerous other energy, environmental and non-government organizations. Mr. Thornton serves on the executive committee of the International Energy Agency (IEA) District Energy Annex while overseeing IDEA activities in Europe, the Middle East, and Asia. He is publisher of *District Energy* magazine and helps IDEA to organize four to five international conferences on district energy each year.