

Grand Energy Challenges: Rethinking Our Energy Future

Dr. Douglas Arent
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Wednesday, February 15
4:00 pm
Hill Hall 202

Abstract. Dr. Arent will present current thinking on the role energy has played, and will continue to play in the world's economy, as it relates to economic prosperity and environmental stewardship. Continued expansion of energy demand, population demand and addressing climate change will drive fundamental changes in our energy system. Understanding the roles of technology innovation, business innovation and decision making will be explored.

Biography. Doug Arent is Executive Director of the Joint Institute for Strategic Energy Analysis at the National Renewable Energy Laboratory (NREL). In addition to his NREL responsibilities, Arent is Sr. Visiting Fellow at the Center for Strategic and International Studies, serves on the American Academy of Arts and Sciences Steering Committee on *Social Science and the Alternative Energy Future*, is a member of the National Research Council Committee to Advise to U.S. Global Change Research Program, and is a Member of the Keystone Energy Board. Arent was recently invited to serve on the World Economic Forum Future of Electricity Working Group, and is a member of the International Advisory Board for the Journal Energy Policy. Arent was a Coordinating Lead Author for the 5th Assessment Report of the Intergovernmental Panel on Climate Change. He has been a member of Policy Subcommittee of the National Petroleum Council Study on *Prudent Development of North America Natural Gas and Oil Resources*, served from 2008 to 2010 on the National Academy of Sciences Panel on *Limiting the Magnitude of Future Climate Change*, and also served on the Executive Council of the U.S. Association of Energy Economists. His research interests are centered in energy and sustainability, where he has been active for more than 30 years. He has published extensively on topics of clean energy, renewable energy, power systems, natural gas, and the intersection of science and public policy. Arent has a Ph.D. from Princeton University, an MBA from Regis University, and a bachelor's of science from Harvey Mudd College in California.

