

Douglas J. Arent

Position/Department/Division/Institution/Organization

Deputy Associate Lab Director
Scientific Computing and Energy Analysis
National Renewable Energy Laboratory

Country

Golden, Colorado, United States

Career history

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 (USGCRP), and is a Member of the Keystone Energy Board. Arent is the Editor in Chief for Renewable Energy Focus and is Associate Editor for the journal Renewable and Sustainable Energy Reviews. Arent serves on the World Economic Forum Future of Electricity Working Group, and is a member of the International Advisory Board for the journal Energy Policy and for Energy Academy Europe. Arent was a Coordinating Lead Author for the 5th Assessment Report of the Intergovernmental Panel on Climate Change (IPCC). 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.

Awards/Publications

- Sr. Visiting Fellow, Center for Strategic and International Studies, Washington DC
- Member, Keystone Energy Board
- National Research Council Committee to Advise the U.S. Global Change Research Program, 2011-2017
- Coordinating Lead Author, IPCC 5th Assessment Report
- Lead Author IPCC Special Report on Renewable energy
- Policy Subcommittee of the National Petroleum Council Study on *Prudent Development of North America Natural Gas and Oil Resources*
- Steering Committee of The American Academy of Arts and Sciences Committee on *Social Science and the Alternative Energy Future*
- Advisory Council of the Smart Cities Council
- Member National Academy of Sciences Panel for America's Climate Choices: Limiting the Magnitude of Future Climate Change
- Editor in Chief, Renewable Energy Focus
- Associate Editor and Member Editorial Board; Renewable and Sustainable Energy Reviews
- International Advisory Board, Energy Policy
- International Advisory Board, Sustainability
- Editorial Board, Mitigation and Adaptation Strategies for Global Change
- Council Member, US Association Energy Economist, 2008-2010
- Board Member, Energy and Environmental Study Institute, University of Colorado, 2007-2010
- Chair, Quantitative Work Group, Western Governor's Clean and Diversified Energy Committee, 2005-2007

Areas of expertise

- Renewable energy
- Computer analysis
- Energy analysis
- Author