

Leadership

Douglas J. Arent is the Joint Institute's inaugural executive director.

Its institutional partners are the National Renewable Energy Laboratory (NREL), the Massachusetts Institute of Technology (MIT), Stanford University, University of Colorado-Boulder (CU), Colorado School of Mines (CSM), and Colorado State University (CSU). These partners have an interest in, and are committed to, the success of the Joint Institute.

The Program Committee provides guidance on program direction to the executive director and reviews and approves the Joint Institute's research agenda, priorities, and annual research program plan. The committee includes the following representatives:

Frank Wolak – Holbrook Working Professor of Commodity Price Studies, Department of Economics, Stanford University

Daniel Enderton (acting) — Executive Director, Sustainable Energy Revolution Program (SERP), MIT Energy Initiative, Massachusetts Institute of Technology

William Boyd – Associate Professor, University of Colorado Law School

Dag Nummedal – Director, Colorado Energy Research Institute, Colorado School of Mines

Ron Segal – Woodward Professor of Systems Engineering, Colorado State University; and Vice President for Energy, Environment and Applied Research, Colorado State University Research Foundation

Gian Porro – Laboratory Program Manager for Strategic Analysis, National Renewable Energy Laboratory

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Massachusetts Institute of Technology



COLORADO SCHOOL OF MINES

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University of Colorado at Boulder

Colorado
State
University

STANFORD
UNIVERSITY



NREL
NATIONAL RENEWABLE ENERGY LABORATORY

JISEA

Joint Institute for
Strategic Energy Analysis

The Joint Institute for Strategic Energy Analysis is operated by the Alliance for Sustainable Energy, LLC, on behalf of the U.S. Department of Energy's National Renewable Energy Laboratory, the University of Colorado-Boulder, the Colorado School of Mines, the Colorado State University, the Massachusetts Institute of Technology, and Stanford University.

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The Joint Institute for Strategic Energy Analysis conducts leading-edge interdisciplinary research and provides objective and credible data, tools, and analysis to guide global energy investment and policy decisions.

To achieve this objective, the Joint Institute brings together leading analysis capabilities and uses its knowledge assets to conduct seminal research, synthesize and interpret results, and communicate findings and energy policy and investment implications to decision makers.

The Global Team

The Joint Institute for Strategic Energy Analysis (Joint Institute) has been created by the Alliance for Sustainable Energy, for the National Renewable Energy Laboratory (NREL), the Massachusetts Institute of Technology (MIT), Stanford University, University of Colorado-Boulder (CU), Colorado School of Mines (CSM), and Colorado State University (CSU).

The Joint Institute provides leading-edge strategic energy analysis, realized through teams drawn from the founding partners and a network of national and global affiliates. To build these teams, the Joint Institute is forming a virtual research network among the founding partners as well as affiliates from around the world. This network guides decisions on energy, investment, and policy—and answers questions that enable a cost-effective transition to sustainable energy at significant speed and scale, while minimizing unintended impacts.

The partnership's strength is in its diverse structure, which includes founding institutions, a leadership team, and research affiliates. The Joint Institute examines complex energy issues at the confluence of technology, policy, markets, and finance that are beyond the reach of any single institution.

Core Program Areas

Technology and Infrastructure Evolution of the Energy Economy

The Joint Institute draws on deep expertise to conduct seminal analyses focused on critical, timely, and deep understanding of market dynamics, technologies, systems, and the interfaces across industries, economies, and markets.

Its analysis uniquely addresses issues related to the transformation of the global energy economy by encompassing and fully integrating geospatially and technology-rich, services-focused approaches that specifically address key issues, including:

- Policy, finance, and economics.
- Climate-coupled (with feedback) energy/economic/climate/policy analysis.
- Scales that span local to global, domestic to international.
- Decision dynamics research (from individuals to institutions and networks).
- Natural resource optimization.

Innovative Research Analysis Award Program

The Joint Institute provides research awards for members of its founding institutions through its Innovative Research Analysis Award Program (IRAAP). The collaborative projects involve foundational research that addresses critical issues related to the transformation of the global energy economy toward global sustainability.

Descriptions of projects that have received this funding can be accessed on the IRAAP page of the Joint Institute Web site at http://www.jisea.org/research_award_program.cfm.

Sponsorship

The Joint Institute conducts research for federal and state agencies; and for corporate, private, and organizational sponsors globally. Through its institutional partners and affiliates, the Joint Institute offers an effective organization that provides sponsors with a rich set of analytic capabilities.

Syndicated Research – Offers insights to critical questions of broad interest. Sponsors will meet with the JISEA Program Committee to discuss topics that need to be addressed, attend annual symposia, gain early access to JISEA analyses, and have opportunities for executive board briefings and informal contacts and visits.

Tailored Research – Offers insights on issues of particular interest to a specific sponsor or a multiparty sponsor group.

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Objective ♦ Rigorous ♦ Insightful

www.jisea.org

