

Candidate

Executive Council of the International Society for the Advancement of Energy Research

Term Length: 4 years

Name: CRAIG DIAMOND

Affiliations: *(Semi-Retired)*

The Balmoral Group, Regional Manager, Economics
1000 Friends of Florida, Research Manager,
Sierra Club Conservation Policy Committee, Secretary,

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Education and Expertise:

1976: BS, Mathematics, Union College

1984: MS, Environmental Engineering Sciences, University of Florida

2012: Research Fellow, Florida Institute of Government, Florida State
University

- Approximately 43 years addressing natural resource valuation
- 6 years as Research Faculty – Florida Atlantic University
- 22 years as Adjunct (teaching) Faculty – Florida Atlantic University, Florida State University, Florida A&M University
- 18 years in urban and water resources planning, including 4 years as Chief of State Planning (Florida)
- 13 years in resource economics (private sector; public clients)

Currently:

- Regional Manager, The Balmoral Group
[Consulting Natural Resource Economists]
- Research Manager, 1000 Friends of Florida
[501(c)(3) dedicated to planning and growth management]
- Secretary, Sierra Club Conservation Policy Committee
[international environmental 501(c)(3)]

Research and Teaching:

Courses Taught: Environmental Science¹; Environmental Planning; Environmental Policy; Water Resources Analysis; Energy, Ecology & Economics; the Everglades



¹ Undergraduate; all other courses taught at graduate level

Select Modeling and Energy-Oriented Research: (other publications on request)

- Energy Systems Overview of the Mississippi River Basin
- An Analysis of Public Subsidies and Externalities Affecting Water Use in South Florida, and An Update to “An Analysis of Subsidies and Externalities Affecting Water Use in South Florida”
- Climate Change and the Everglades
- An Assessment of the Impact of Increased Costs for Water Supply in South Florida
- I-75 Transportation Energy and Growth Management Study
- "Transportation Improvements and Regional Energy Minimization," in Maximum Power: A Festschrift on Ecology, Energy, and Economy in Honor of Howard T. Odum
- "Sustainable Agricultural Yield in the Everglades, Florida" in General Systems Approaches to Alternative Economics and Values, Proceedings of the Thirty-sixth Annual Meeting of the International Society for the Systems Sciences
- "Water, Energy, and Agriculture in South Florida" in Proceedings for the Environmentally Sound Agriculture Conference, Florida Cooperative Extension Service

Overall Vision Statement for ISAER

Key elements of the stated purposes of ISAER include communication and education. While there is rapidly increasing acceptance and use of terms like “ecosystem services” and “non-market benefits” within the fields of economics, natural resources decision-making, climate resilience planning, etc., a broader public and professional understanding and application of emergy principles and tools would improve the quantification, reliability and impact of those measurements and how they are used.

There is opportunity for engaging other disciplines that measure and evaluate resources at their own tables; ISAER (via its members) should increase its level of participation in conferences and meetings of other organizations, “translating” emergy into the jargon of those professions, and thereby expand awareness and application of emergy. If we are confident in the principles of emergy, then society benefits from the linking the principles more firmly to other patterns of thinking.

Short term Priorities for advancing ISAER’s mission over the next 4-years

- Increasing the number of participants in the next biennial conferences.
- Increasing the numbers of emergy-based articles in the journals of other organizations.
- Updating the website with more contributions from members and affiliates
- Updating the emergy and environmental accounting databases (and communicating such updates, as well as key additions or significant changes)
- Identifying opportunities to expand application of emergy (and transformities) via linkage to remotely sensed data (earth observations)
- Motivating members to reach out to their own local educational programs to include one or more introductory sessions about emergy and systems, and tracking the successful engagements.
- With prospective shifts in research funding priorities in the US, identify additional international prospective sources for emergy studies or research providing data for such studies.