

CURRENT POSITIONS

Managing Director & Chief Operating Officer, 2011 – present

Institute on the Environment (IonE), University of Minnesota / St. Paul, MN

As Managing Director and member of senior leadership team, develop and implement strategy, including resource allocation and program development; design and implement new programs and initiatives; oversee \$1.37M/yr discretionary internal granting program; oversee leadership development programs; mentor staff and program leaders; and represent the Institute to internal and external audiences in the absence of the Director. As COO, ensure that all aspects of operations and administration of \$4.1M/yr operating budget run smoothly; provide the highest quality customer service to faculty and staff across the 5-campus University of Minnesota system; oversee all aspects of finance, budget, HR, IT and logistics.

Leadership

- Oversee portfolio of graduate and undergraduate environmental leadership programs including integration of established programs into a coherent whole
- Integrate the Acara social entrepreneurship program into ongoing operations of the Institute, including strong partnerships with the College of Science and Engineering and the Carlson School of Management
- Formulate University of Minnesota Energy Initiative as an umbrella spanning research and development, engagement-focused policy and legal research, and regional power systems engineering and interconnection research
- Represent the University in an annual delegation to Germany focused on the exchange of renewable energy programs and policies
- Strengthen connections with humanities and arts on Twin Cities campus resulting in: arts performances and exhibitions at IonE; enhanced participation by IonE scientists in College of Liberal Arts seminars; and successful transfer of IonE-initiated River Life program to Institute for Advanced Study
- Seed-fund and spin-off Resilient Communities Project, significantly increasing presence of University in local communities and enhancing hands-on learning opportunities for students
- Strengthen connections with professional schools including Humphrey School of Public Affairs, Carlson School of Management and the Law School as evidenced by faculty interactions, joint search committees and new joint funded programs
- Conceptualize new infrastructure models to coordinate University-wide activities focused on outcomes-oriented fundamental and applied research

Partnerships and Funding

- Significantly strengthen connections with coordinate campuses across the state as evidenced by enhance participation in mini-grants program, student exchanges and Resident Fellows program
- Organize, submit and win \$3M block grant in support of University-wide renewable electricity research
- Restructure \$1.5M/yr discretionary funding portfolio to be more responsive to intellectual trends, to enhance participation by leading University faculty and to increase visibility and vitality of University strengths

Management and Operations

- Initiate data-driven review of return on investment (ROI) of our portfolio of internal investments
- Restructure administrative and leadership staff to accommodate growth and evolution of Institute from small startup to vital operational unit

- Manage strategic shift in development position from traditional, individual donor focus to a partnership focused model
- Oversee administrative transfer of IonE from Office of the Provost to Office of Vice President for Research, as part of leadership transitions in both of those offices

Interim Director, 2014 – 2015 (continued also as Managing Director & COO)

Institute on the Environment (IonE), University of Minnesota / St. Paul, MN

As Interim Director, assume director's duties and maintain institutional momentum during an extended period of uncertainty and change. These duties include full executive responsibility for a \$7M/yr unit including: strategic planning, overseeing senior staff, overseeing partnerships, development and communications, diplomatic relations with University foundation, colleges and schools, and all aspects of operations and administration.

Leadership and Management

- Maintain strong strategic positioning of Institute within the University
- Lay groundwork for rapid launch of new initiatives with establishment of new leadership
- Represent Institute at senior levels within University, including preparation for university-wide fundraising campaign
- Maintain staff morale throughout transition by developing culture of transparency and trust
- Identify and manage staff retention risks
- Manage budget cuts while preserving services to constituents through out University
- Serve as the public face of the Institute in the media, at ceremonies, and in public settings

Partnerships and Funding

- Strengthen existing and initiate new relationships with internal partners on Twin Cities campus and related programs on state-wide campuses
- Provide stewardship for key philanthropic and research partners
- Represent the University of Minnesota on the Governing Committee of the Natural Capital Project
- Gather input from non-academic partners regarding new opportunities for the Institute's next phase and priorities for strengthening existing elements of our program portfolio
- Identify and mitigate risks to existing funding relationships

Acting Director, 2013 – present

Initiative for Renewable Energy and the Environment, University of Minnesota / St. Paul, MN

Oversee wind-down of renewable energy research program that granted \$5M/year for scientific and engineering research within the University of Minnesota system.

Affiliate Faculty Member, 2014 – present

Humphrey School of Public Affairs, University of Minnesota / Minneapolis, MN

- Teach core program course in the Science, Technology and Environmental Policy (STEP) program at the Humphrey School of Public Affairs
- Serve as member of search committee for new STEP program faculty member

PAST POSITIONS & PROFESSIONAL ACTIVITIES

Associate Director, 2005 – 2011

Nelson Institute for Environmental Studies, University of Wisconsin - Madison / Madison, WI

Manage the daily operations and tactics of a university division composed of a large, diffuse, networked faculty, 8 educational programs, and 4 research centers spanning the natural sciences, social sciences and humanities. Support Director in strategic planning and related implementation.

Strategic Program Development

- Create University framework for sustainability which integrates teaching, research and operations; launch food and sustainability program as pilot activity
- Create and teach new undergraduate course with goal of integrating teaching and university operations
- Design and launch *Wisconsin Initiative on Climate Change Impacts*, in partnership with Wisconsin Department of Natural Resources, to address state and regional climate adaptation knowledge needs; guide its continued development including submission of large institutional funding proposals
- Manage conversations and program development related to “triple bottom line” issues as program on *Business, Environment and Social Responsibility* in anticipation of societal need and funding raising opportunities
- Transfer *Wildlife Disease Information Node* from USGS into the Nelson Institute in support of university-wide environmental health capacity building
- Oversee launch of new center on *Culture, History and Environment* bringing together a world-leading group of scholars in the humanities
- Integrate *Land Tenure Center* into Nelson Institute while building on brand value to modernizing research program
- Manage transition of low-priority research center to more appropriate institutional setting outside of the Institute
- Facilitate development and implementation of fundraising infrastructure
- Oversee development of rigorous learning-outcomes assessment process for all Institute graduate programs

Internal Relations

- Build new networks and teams to address strategic opportunities through outcomes-oriented research and teaching
- Participate and represent Institute interests in University research policy making and implementation
- Negotiate joint hires of new faculty with partner units across the university

External Relations

- Oversee initiation and growth of external relations office resulting in greatly enhanced name recognition and engagement with regional businesses and State government
- Revive Federal relations activities with objective of developing program-related relationships with the Wisconsin congressional delegation and ensuring that the strength of our programs is recognized in executive branch decision making

Institute management

- Recommend and implement reorganization of staffing in Director’s Office to increase flexibility, resilience, efficiency, and staff satisfaction
- Assume leadership of Academic Programs Office to advance strategic integration of teaching, research and Institute operations including matching academic program evolution to University strategic goals
- Initiate and guide development of rigorous budget planning

- Manage state-mandated budget cuts including reduction of staff
- Manage space as a strategic resource

Interim Director, 2007 – 2008 (continued duties as Associate Director)

Nelson Institute for Environmental Studies, University of Wisconsin - Madison / Madison, WI

Formulate and implement strategy to advance mission of horizontal integration around issues addressing the relationship between humans and the environment. Lead university division composed of diffuse networked faculty, 8 educational programs, and 4 research centers spanning the natural sciences, social sciences and humanities.

University Leadership

- Represent Nelson Institute in University leadership bodies including all aspects of university planning, policy-making and administration

University Strategic Planning

- Create framework relating divisional strategic priorities to each other and to “Great Public University” theme as member of Dean’s Ad Hoc Strategic Planning Group
- Shape discussion of *Creating an Impact and Shaping the Global Agenda* as team-member in decadal reaccreditation self-study for the Higher Learning Commission of the North Central Association of Colleges and Schools

Institute Management

- Negotiate successful retention of key faculty member including coordination with provost’s office, facilities, other schools and the independent University of Wisconsin Foundation
- Maintain Institute momentum during time of leadership transition
- Organize small-unit deans to address challenges of relationship with University of Wisconsin Foundation and to develop strategies to address fundraising resource needs
- Provide servant-leadership for policy development and Institute evolution in strong shared-governance environment
- Oversee and approve budget development (~\$2M/yr operating, ~\$4M/yr research)
- Approve and oversee staffing evolution
- Manage relationships with Board of Visitors including coordinating and chairing semiannual meetings

Program Development

- Develop inter-school cooperation around new curricular and research programs related to the environment including campus-wide undergraduate major
- Allocate and leverage limited discretionary resources to advance Institute mission including 3:1 match to launch *Wisconsin Initiative on Climate Change Impacts*
- Explore institutional relationships with major University projects including *Wisconsin Institutes for Discovery*

Institute Relationships

- Represent and act for the Institute in projects and activities involving constituencies beyond the University including Governor’s Global Warming Task Force
- Serve as the public voice and face of the Nelson Institute

Independent Consultant, 2003 – 2005

Earth Management Consulting / New York, NY

Advised evolving academic and other institutions on interdisciplinary program design, implementation and management. Projects included:

International Institute for Sustainable Development – Arizona State University

- Reviewed the institutional context and historical development of a select set of academic organizations focused on sustainability
- Synthesized lessons learned from those case studies to support the development of the International Institute of Sustainability (IIS) at Arizona State University
- Prepared a white paper for circulation among IIS advisory group

School of Earth and Space Exploration – Arizona State University

- Prepared initial strategic business model for design and launch of a new interdepartmental school
- Designed a scheme for integrating and evaluating non-academic engineers within the SESE academic community
- Provided ongoing general advice and support to the Chair of the SESE Planning Committee

Center for International Networking on Carbon Sequestration – ProNatura USA

- Designed knowledge management system for connecting developed economy carbon offset demand with developing economy carbon offset supply
- Designed business plan to move from philanthropic support to market sustainability

Global Institute for Sustainable Development – ProNatura USA

- Produced preliminary design considerations for a Brazil-based training institute focused on implementation and management of sustainable agriculture projects in a global carbon market

Scientific Director – ProNatura USA

- Served as chief scientist for growing international sustainable development NGO

Adjunct Assistant Professor, 1999 – 2005

School of International and Public Affairs, Columbia University / New York, NY

- Taught *Environmental Policy, Politics and Management* in the Environmental MPA program.
- Led capstone *Workshop in Applied Policy Analysis* (begun in Spring 2005)

Executive Director, 1999 – 2003

Columbia University / New York, NY

Launched, managed and institutionalized strategic initiatives to ensure that University research and education enterprises were responsive to the needs of society and robust with respect to the external funding environment.

Columbia Earth Institute

- Maintained programmatic momentum in time of transition in University's largest strategic initiative
- Designed and implemented Directorate structure for Earth Institute leadership
- Designed and coordinated implementation of CEI Office of Educational Programs
- Designed and implemented revised External Relations function
- Coordinated Federal relations activities with Office of Government Relations
- Established Academic Committee to guide CEI intellectual agenda
- Designed and implemented CEI post-doc program
- Articulated vision and developed documents for large fundraising efforts; managed complicated gift negotiation through senior leadership change

- Built international partnerships through membership in University delegations
- Managed day-to-day activities of core oversight and coordination function for \$80M/yr. research institute

Strategic Initiatives Program

- Managed \$67M portfolio of internal, knowledge venture investments
- Provided strategic decision-making support to Office of Executive Vice Provost

Director for Interdisciplinary Programs, 1996 - 1999

Columbia University / New York, NY

Completed transition from loosely federated global change research and education activities of Global Systems Initiative to a centralized coordinating structure to found the Columbia Earth Institute. Designed and implemented coordinating and facilitating structures to support continued development of interdisciplinary research and education throughout the university. Managed specific projects and programs including:

Metropolitan East Coast Regional Climate Change Impact Assessment

- Conceptualized and implemented regional assessment of climate change impact
- Coordinated regional effort with Presidential-level national effort

Consortium for International Earth Science Information Network (CIESIN)

- Attracted major socio-economic data center to new home in New York region in partnership with Columbia University and the Earth Institute
- Designed institutional partnership to leverage complementing resources and missions of Earth Institute and CIESIN

Earth Institute Planning Activity

- Organized and oversaw creation of strategic document to guide transition from Global Systems Initiative to Earth Institute
- Chaired sub-committee focused on creating and strengthening linkages among internal members
- Participated in ongoing development of Earth Institute intellectual agenda

International Research Institute (IRI) for Climate Prediction

- Assisted in ongoing implementation of Earth's first operational climate forecasting and applications organization
- Launched pilot El Niño forecasting applications project with focus on providing usable knowledge to Peruvian fisheries stakeholders
- Laid groundwork for similar applications project development in other regions and sectors around the globe through internal project initiation and facilitation

Earth Institute Information System

- Designed an information system to facilitate interaction among Earth Institute researchers
- Catalyzed flows of information from the center to researchers, flows among researchers, and collaborations across disciplinary boundaries

Research Development and Strategic Analysis

- Oversaw gathering and analysis of 6-24 month time horizon intelligence related to the strategic goals of the Earth Institute
- Designed interface for this information to Earth Institute Information System

Public Policy Consortium

- Expanded scope of developing public policy fellowship program beyond the social sciences to include physical science graduate students

- Identified relevant institutional issues, such as requirements for the Ph.D., which must be addressed to fully accomplish such integration

Earth Learning Program Development

- Conceptualized and initiated implementation of unifying framework for the electronic delivery of all Earth Institute curriculum (K-16 and informal education) development activities

Communication Technology Strategy

- Recommended and implemented hardware and software solutions to increase interconnection among physically disparate units

Associate Director for Interdisciplinary Programs, 1995 - 1996

Columbia University / New York, NY

Implemented specific research and education project elements of growing Global Systems Initiative. Integrated programs distributed among 3 New York campuses and the Biosphere 2 Center in Oracle, AZ. Began transition from Global Systems Initiative to Earth Institute structure. Activities included:

Earth Learning Program Development

- Pursued private partners to assist in unifying, developing and distributing a collection of electronic Earth Science curriculum development projects
- Guided the design and implementation of innovative undergraduate “semester abroad” program focused on Earth Systems located on the Biosphere 2 campus in Oracle, Arizona

Biosphere 2 Center, Inc. Interim Management Team

- Participated in all aspects of transition management team of a non-profit, teaching, learning, and research affiliate of Columbia University including search for first Executive Director
- Integrated Biosphere 2 Center activities with New York-centered activities
- Created criteria for and guided selection of faculty members in the Department of Earth and Environmental Sciences to teach and build interdisciplinary curricula focused on Earth systems at the Biosphere 2 Center campus

Climate Change and Human Health

- Catalyzed a multidisciplinary, multi-institutional research effort focused on the impacts of changes in climate on human health
- Wrote white paper to guide research program development and research team building

International Research Institute (IRI) for Climate Prediction

- Assisted development of proposal to launch Earth’s first operational climate forecasting organization
- Managed development of Earth Policy Center as pilot activity of IRI
- Seed funded pilot project focused on the use of El Niño information by fisheries in northern Chile and southern Peru
- Provided staff support for international institution design effort

Research Development and Strategic Analysis

- Gathered and analyzed 6-24 month time horizon intelligence related to the strategic goals of the Global Systems Initiative
- Distributed intelligence to appropriate researchers and administrators

Coordinator, Global Systems Initiative, 1994 - 1995

Columbia University / New York, NY

Laid foundation for major, university-wide initiative focused on global change and institutional reform in the post-Cold War era.

Conceptual foundations for Global Systems Initiative

- Formulated conceptual foundations to support integration across the breadth of Columbia University's endeavors around the theme of global change
- Prioritized research opportunities and relevant university strengths and weaknesses
- Articulated the place of University global change research in the context of broader strategic visions and societal challenges

Integrated Assessment Group

- Initiated new research activity in response to strategic need to address policy implications of climate change mitigation and adaptation
- Formed unique, highly flexible research team consisting of expertise in climate modeling, agronomy, natural hazards, economics and finance

Harlem Environmental Access Project

- Developed partnership with Environmental Defense Fund
- Launched project to provide environmental resources and curricula to 7 schools, libraries and other public institutions in Harlem economic empowerment zone

Science: the Endless Frontier Conference

- Participated in national meetings evaluating the current state of, and possible futures for, US science policy
- Led and summarized session on science policy issues of environmental policy

International Research Institute (IRI) for Climate Prediction

- Assessed institutional capacity to develop and compete for IRI
- Assisted in planning to develop proposal to host launch of IRI

How Many People Can Earth Support?

- Conceptualized and produced high profile, interdisciplinary symposium addressing "How many people can Earth support?"
- Broadcasted symposium via video-teleconference link to Biosphere 2 Center in Oracle, Arizona

Research Development and Strategic Analysis

- Developed skills to gather, analyze and distribute 6-24 month time horizon intelligence related to the strategic goals of the Global Systems Initiative

Staff Associate, 1994 - 1999

Lamont-Doherty Earth Observatory, Columbia University / New York, NY

Developed vigorous research programs in solid Earth Sciences and other disciplines. General activities included the independent and cooperative pursuit of basic research, research proposal development and publication of research results. Activities included:

Liaison between Lamont-Doherty Earth Observatory and other University departments

- Created connections between Lamont physical scientists and social scientists from other campuses to address research projects focused on global change

Crustal Deformation Research

- Finalized Global Positioning System (GPS) calculations and prepared scientific paper describing new shear zone in the northern Aegean Sea
- Initiated project integrating GPS-measured crustal deformations with deformations inferred using high-resolution seismic data in Southern California

Post-Doctoral Research Scientist, 1993 - 1994

Lamont-Doherty Earth Observatory, Columbia University / New York, NY

In cooperation with senior scientists, developed vigorous research programs in the solid Earth Sciences. In addition to routine scientific activities:

Aegean Sea Deformation

- Collected and processed high-precision Global Positioning System (GPS) and other surveying data as part of a large international observing program
- Documented and interpreted unexpected regional strain patterns through comparison with previous measurements

San Andreas Fault System Deformation

- Synthesized and modeled near-fault geodetic data and deformation
- Established constraints on fault geometries related earthquake generation

Shumagin Island - Alaskan Peninsula Deformation

- Expanded geodetic arrays to constrain extent of anomalous strain patterns
- Continued collection of long geodetic time series including GPS, sea level, spirit leveling and horizontal data

Graduate Student Research

- Oversaw graduate student project comparing sparse GPS observations with historical geodetic data

Geological Field Assistant, 1980 - 1983

United States Geological Survey / Woods Hole, MA

Conducted and assisted in marine multi-channel seismic profiling research and data management for mission-oriented United States Geological Survey office.

EDUCATION AND TRAINING

- 2006 *Kaufman Leadership Seminar* – University of Wisconsin - Madison
- 2001 *Creating Corporate Advantage: strategy in the multi-business firm* – Harvard Business School
- 1993 Ph.D. *Geophysics* – Lamont-Doherty Earth Observatory / Columbia University
- 1985 MS *Geophysics* – North Carolina State University
- 1980 BA *Geology* – Oberlin College

TEACHING

- 2014 *Introduction to Science & Technology (and Environmental) Policy*
Humphrey School Public Affairs; University of Minnesota
- 2009 *Why “We Conserve”?*
University of Wisconsin - Madison
- 2006–2011 Sustainability lecture in *Systems Thinking and Sustainable Businesses*
School of Business / Nelson Institute, University of Wisconsin-Madison
- 2005 *Workshop in Applied Policy Analysis*
School of International and Public Affairs, Columbia University
- 2000 *Literature and the Environment*
Columbia College, Columbia University
- 1999–2005 *Environmental Policy, Politics and Management*
School of International and Public Affairs, Columbia University
- 1997–1998 *Graduate Seminar: Understanding Public Policy*
School of International and Public Affairs, Columbia University

BOARDS AND COMMITTEES

- 2016–present Chair, Executive Advisory Council, Great Plains Institute (not yet public)
- 2016 Bell Museum of Natural History and Planetarium Executive Director Search Committee; College of Food, Agriculture, and Natural Resource Sciences, University of Minnesota
- 2015–present Board Member; Minnesota Environment Fund
- 2014 Re-engineering Public-Private Partnerships; Office of the Vice President for Research, University of Minnesota
- 2013–2014 Science, Technology, and Environmental Policy Faculty Search Committee; Humphrey School of Public Affairs, University of Minnesota
- 2013–2014 System-Wide Sustainability Committee Strategic Goals Advisory Task Force; University of Minnesota
- 2013–2014 Global Spotlight advisory committee; Global Programs and Strategy Alliance, University of Minnesota
- 2012–present Resilient Communities Project Advisory Board; University of Minnesota
- 2012–2015 System-wide Sustainability Committee; University of Minnesota
- 2011 Search & Screen for Co-Director of Office of Sustainability; University of Wisconsin-Madison
- 2010 Co-Chair, Food Working Group of the Sustainability Task Force; University of Wisconsin-Madison
- 2010 Co-Chair, Governance Working Group of the Sustainability Task Force; University of Wisconsin-Madison
- 2010 Sustainability Task Force; University of Wisconsin-Madison
- 2009–2012 Edgewood College Sustainability Leadership Advisory Board; Edgewood College
- 2009–2011 Science Council; Wisconsin Initiative on Climate Change Impacts
- 2009–2011 Chair, Advisory Committee; Wisconsin Initiative of Climate Change Impacts

- 2009–2010 Wisconsin Institutes for Discovery Town Center Design Team; University of Wisconsin-Madison / WARF
- 2008 *Science and the Public* seminar steering committee; Holtz Center for Science and Technology Studies
- 2008–2009 Web Content Management Leadership Team; University of Wisconsin-Madison
- 2007–2011 University International Activities Committee; University of Wisconsin-Madison
- 2007–2008 Dean's Ad Hoc Strategic Planning Group; University of Wisconsin-Madison
- 2007–2008 *Creating an Impact and Shaping the Global Agenda* team, Reaccreditation Project; University of Wisconsin-Madison
- 2007–2008 Nelson Institute Academic Planning Council; University of Wisconsin-Madison
- 2007–2008 Technical Advisory Group; Governor's Global Warming Task Force
- 2007–2009 Executive Committee; Consortium for Conservation Medicine
- 2006–2009 Wisconsin Idea Project Advisory Board; University of Wisconsin-Madison
- 2006–2008 Wisconsin Institutes for Discovery Building Committee; University of Wisconsin-Madison / WARF
- 2005–2009 Office of Corporate Relations Liaison Committee; University of Wisconsin-Madison
- 2005–2014 EnviroAlums Steering Committee; Oberlin College
- 2004–2005 School of Earth and Space Exploration Planning Committee; Arizona State University
- 2003–2008 Board of Directors; Climate Investment Network for Carbon Sequestration (CINCS)
- 2002–2004 Center for the Study of Science and Religion Advisory Board; Columbia University
- 2002–2004 Policy Integration for Sustainability Scientific Advisory Group; Stockholm Environment Institute
- 2001–2002 P.S. 84 School Leadership Team
- 2001–2003 Earth Systems Science Policy and Management MPA Admissions Committee
- 2001–2002 Earth Systems Science Policy and Management MPA Advisory Committee
- 2001–2002 Office of the Executive Vice Provost Space Committee
- 2000–2001 International Conference on Biosphere & Society Steering Committee
- 1999–2000 Earth Systems Leadership Search Committee; Columbia University
- 1998–2005 Earthscape; Columbia University
- 1995–2003 Small Grants Committee; Center for Environmental Research and Conservation
- 1995–1998 Board of Trustees, Alumni Member; Sea Education Association (SEA)

INVITED TALKS AND CONFERENCES

- 2015 *Overview of University of Minnesota Energy Initiative* – Great Plains Institute Energy Innovation Forum
- 2013 Participant in the *Berlin Seminar on Energy Policy: a transatlantic experts' forum*
- 2013 *What are the Roles of Knowledge Institutions in Sustainability?* Co-Convener and Synthesizer; AAAS Symposium / Boston MA
- 2012 *From Muscles to Molecules: an evolution in the Earth System* – Frontiers Seminar Series / Institute on the Environment, University of Minnesota

- 2012 Participant in the *Berlin Seminar on Energy Policy: a transatlantic experts' forum*
- 2011 *Discussant, Synthesis Session – 6th International Conference on Environmental Future: Interdisciplinary Progress in Environmental Science and Management, Federation for Environmental Conservation / Newcastle University, United Kingdom*
- 2010 *Beyond 700ppm – The Rightful Place of Science. Consortium on Science Policy and Management / Arizona State University*
- 2009 *Scientific and Institutional Considerations for the Monitoring and Management of Planet Earth – Union Session, AGU Joint Assembly*
- 2009 *The Evidence is In – Why don't we Change? – 8th Annual Bioethics Forum: Sustainability / BioPharmaceutical Technology Center Institute*
- 2007 *Sustaining the Life Science Industry in an Evolving Global Market moderator – Wisconsin Biotechnology and Medical Device Association*
- 2006 *Sustainability in the Present Tense – University of Wisconsin-Madison*
- 2005 *Thinking about Sustainability – Dartmouth College*
- 2004 *The Institute for Emerging Issues: catalyzing North Carolina's sustained vitality and growth – North Carolina State University*
- 2003 *The Earth Institute: intellectual and institutional evolution at Columbia University – Geophysical Fluid Dynamics Laboratory (GFDL)*
- 2003 *Earth Extension: active knowledge toward sustainability – International Research Institute for Climate Prediction*
- 2002 *Knowledge in the Earth System: institutions and interconnection – Arizona State University*
- 2002 *Living with the Genie: governing scientific and technological transformation in the 21st century - Member of real-time synthesis group, Center for Science, Policy and Outcomes, Columbia University*
- 2002 *The History and Future of Planetary Management – Lecture in "Understanding Public Policy" at Columbia University*
- 2000 *Perspectives on integration of knowledge: opportunities and obstacles – "Extreme Events: developing a research agenda for the 21st Century", NCAR*
- 2000 *Why is this so hard? anecdotes from environmental policy making – "NOAA/OGP Climate and Global Change Panel" Fairfax, Virginia*
- 2000 *Strategies for Sustainable Development – "International Workshop on Sustainable Development of Island States" Taipei, Taiwan*
- 1999 *Biosphere 2 Center: innovations in learning and organization – Lecture for the American Language Program, Columbia University*
- 1998 *Briefing on Global Climate Change – "Ecumenical Earth: New Dimensions of Church and Community in Creation" Union Theological Seminary*
- 1998 *Are We Facing an Ecological Limit? – Lecture in "Our Global Environment: Lands, Cultures, Peoples and Politics" an interdisciplinary course for teachers*
- 1998 *Global Ecology and Global Warming: the evidence and the controversy – Sacred Heart School Sesquicentennial Science & Technology forum*

- 1998 *Science.Fiction.Film* - Panelist in Sloan Foundation sponsored symposium exploring portrayal of science in film
- 1997 *Metro East Coast Regional Impacts Workshop* - "Planning for a U.S. National Assessment" Aspen Global Change Institute
- 1997 *Growing Complexity and its Implications for Problem Solving* - "Global Perspectives in Higher Education" Ramapo College
- 1994 *The Geometry of Loading along Plate Boundaries: inferences from geodetic observations* - Rensselaer Polytechnic Institute

SELECTED PUBLICATIONS AND MANUSCRIPTS

(a complete list of publications and manuscripts is available on request)

- Gilbert, L.E. (2010) Sustainability is more than green: a framework for university leadership, *Solutions*, December-November 2010: 54-55. <http://www.thesolutionsjournal.com/node/811>
- Gilbert, L.E. (2004) Strategies for developing carbon sequestration portfolios, *Energy and Environment*, 15:825-834.
- Gilbert, L.E. (2004) Putting sinks into your portfolio *Carbon Finance* February 2004, 16-17.
- Gilbert, L.E. (1998). Disciplinary Breadth and Interdisciplinary Knowledge Production *Knowledge, Technology, and Policy*, 11: 4-15.
- Gilbert, L. E. (1997). *A Strategic Intelligence Network for the Columbia Earth Institute: concepts and functional characteristics* (Earth Institute White Paper No. 97-2). Columbia University.
- Epstein, P., Fisher, G., Gilbert, L., Karl, T., McMichael, A., Haines, A., & Cane, M. (1996). *A program for integrating health surveillance and environmental monitoring* (GSI White Paper No. 96-1). Columbia University.
- Gilbert, L. E., Scholz, C. H., & Beavan, J. (1994). Strain localization along the San Andreas Fault; consequences for loading mechanisms. *Journal of Geophysical Research*, 99(12), 23,975 - 23,984.
- Gilbert, L. E. (1990). The relationship between surface deformation and seismic coupling in subduction zones. *Eos, Transactions, American Geophysical Union*, 71(43), 1468.
- Gilbert, L. E. (1989). Are topographic data sets fractal? *Pure and Applied Geophysics*, 131(1-2), 241-254.