

CURRICULUM VITAE

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Citizenship: US, Hungarian (Dual)

Date of Birth: 16 February 1955

(i) EDUCATION

Cornell University	Biological Sciences	Bachelor of Science, 1977
University of New Hampshire	Civil Engineering	Master of Science, 1983
University of New Hampshire	Engineering Systems Design	PhD in Engineering, 1991

(ii) APPOINTMENTS

2014 – Present	Founding Director and Director, Environmental Sciences Initiative (ASRC)
2008 – 2014	Director, Environmental CrossRoads Initiative (City College, CUNY)
2008 – Present	Professor, Civil Engineering (City College, City University of New York)
2001 – 2008	Research Full Professor (University of New Hampshire)
1998 – 2001	Research Associate Professor (University of New Hampshire)
1991 – 1998	Research Assistant Professor (University of New Hampshire)
1977 – 1991	Research Scientist (University of New Hampshire)

(iii) PROFESSIONAL ORGANIZATIONS AND COMMITTEES

a) United States

- United States Arctic Research Commission
 - *Commissioner, White House appointments (Presidents Bush 2006-2008 & Obama 2009-2016)*
- US National Academy of Sciences
 - *NRC Committee on to Review the US Global Change Research Program (2011-2014; reappointed through 2017)*
 - *NRC Committee to Review US National Climate Assessment (2013-2014)*
 - *NRC Committee on Hydrologic Science (2008-09); Chair (2010-12)*
 - *NRC Fellowship, Institute for Water Resources, US Army Corps of Engineers (2008-11)*
 - *NRC Panel on Water Resources and the Global Hydrologic Cycle of the Earth Science Observations from Space Study (2005-2007)*
 - *NRC Polar Research Board, Committee to Review NASA's Polar Geophysical Data Sets (2000-2001)*
- National Science Foundation
 - *Workshop on Communicating the Science and Impacts of Fundamental Earth System Change, Chief Organizer (2013-2014) (Co-sponsored by World Bank)*
 - *Arctic Observing Network Design and Implementation (ADI) Task Force, US Arctic Research Commission Representative (2010-2011)*
 - *Community Surface Dynamics Modeling System (CSDMS) Education, & Knowledge Transfer Working Group (2007-2010)*
 - *ARCSS (ARctic System Science) Program, Steering Committee (2003-2009)*

- ARCSS (ARctic System Science) Program, Data Advisory and Modeling Working Group lead (2005-2006)
- Arctic-CHAMP (Community-wide Hydrological Analysis and Monitoring Program), Steering Committee Co-Chair (2002-2009)
- Arctic-CHAMP/Freshwater Initiative (FWI), Science Management Office, located at UNH and coordinating 24 NSF-funded projects, Co-Director (2002-2009)
- National Environmental Observing Network (NEON), Review Committee (2004)
- Arctic Community Hydrology Synthesis Workshop, Convening Committee Co-Chair (1999-2000)
- National Aeronautics and Space Administration
 - NASA Earth Science Subcommittee (2008-2011)
 - NASA Socioeconomic Data and Applications Center (SEDAC), User Working Group (2005-2008)
 - NASA/Oak Ridge National Laboratory Earth Observing System Distributed Active Archive Center (ORNL-DAAC), User Working Group (1996-2002)
 - Surface Water Working Group, Participating Member (1999-2001)
 - Land Surface Hydrology Mission, Steering Committee Member (1999)
 - SeaWiFs Science Team, Member (1997-2005)
 - TRMM Science Team, Member (1997-2005)
- Environmental Protection Agency
 - Expert Appointee, Office of Research & Development's Ecological Research Program (2009-11)
- AAAS (American Association for the Advancement of Science)
 - Working Group Consultation on New Water-relevant Foci for Journal *Science* (2014)
- Scitor Corporation – Environmental Indications and Warnings
 - Science Advisory Board (2010-2012)
- Consortium of Universities for the Advancement of Hydrologic Science, Inc. (CUAHSI)
 - Standing Committee on Synthesis (2003)
 - Working Group Chair on Global Water Sciences (2005)
- New England Coastal Basins (NECB) National Water-quality Assessment Program (NAWQA)
 - Liaison Committee Member (1998-2000)

b) International

- Institute of Advanced Studies Köszeg/Hungarian Ministry for Innovation and Technology, regional re-development planning for western Hungarian region of Pannonia (2020-present)
- Sustainable Water Future Programme (SWFP)
 - Sub-group Lead on Comprehensive Water Resources Assessment (COMPASS) (2019-present)
- International Institute of Applied Systems Analysis/Northern Dimension Institute (2020-2022)
 - Expert consultation on Arctic strategic resource and political issues associated with northern shipping routes.
- Planet Budapest Scientific Planning Committee (2021)
- Ad hoc Briefings to Water-relevant Sustainable Development Goal Planning Meetings (Friends of Water), organized through the Hungarian Consulate to the United Nations, New York, NY (2013-15)
- Arctic Council/Int'l Institute of Applied Systems Analysis
 - Adaptation Actions for a Changing Arctic (AACA) Scientific Co-Chair (2014-15)
- Global Water System Project (Earth System Science Partnership Project)
 - Co-Chair and Founding Member (2004-2015)

- *Guest Chief Editor, Special Issue on Water in the Anthropocene, Current Opinion in Sustainability Science (2013)*
- *GWSP representative to Consultative Group on International Agricultural Research - Earth System Science Partnership (CGIAR-ESSP) collaboration (2007-present)*
- *Co-convener and workshop lead on Indicators and Assessment at the Third International Symposium on Riverine Landscapes, Brisbane AUSTRALIA (2007)*
- *Co-convener on GWSP-LOICZ collaborating project on "Deltas at Risk" (2006-2008)*
- *Co-convener on GWSP Global Dams and Reservoirs project (2006-2011)*
- *Scoping Team and Framing Committee (2001-2004)*
- *Co-Convener and Host, GWSP Open Science Conference, Portsmouth NH (2003) & Bonn Germany (2013)*
- **International Global Observing System Partnership, Global Earth Observation System of Systems**
 - *GEO-GLOWS Contributing Project Lead: Comprehensive Assessment of Global Water Resources (COMPASS)*
 - *IGWCO (Integrated Global Water Cycle Observations), Science Steering Committee (2004-2009)*
 - *IGOS-P Water/GEOSS Advisor & Contributor (2003-2004)*
- **International Council of Scientific Unions**
 - *Member, Preparatory Committee & Member of Scientific and Technological Delegation to the UN Commission on Sustainable Development (CSD) (2004-2005)*
- **International Association of Hydrological Sciences (IAHS)**
 - *ICASVR, International Committee on Atmosphere-Soil-Vegetation Relations, Secretary (1994-2000) and President (2000-2004)*
 - *Hydrological Sciences Journal, Associate Editor (October 2001-present)*
 - *IAHS Assembly: Global Data Set Workshop, Convener (1997-1999)*
- **International Polar Year (IPY)**
 - *Arctic-HYDRA: The Arctic Hydrological Cycle Monitoring, Modeling and Assessment Program, Co-leader (2005-present)*
- **Northern Eurasia Earth Science Partnership Initiative (NEESPI)**
 - *Focus Research Center on Hydrology (2005-2007)*
 - *Steering Committee (2004-2006)*
 - *Review Committee Chair (2003)*
- **IGBP (International Geosphere-Biosphere Programme) Core Project: Biospheric Aspects of the Hydrological Cycle (BAHC)**
 - *Scientific Steering Committee (1993-2002)*
 - *Project Leader: Modeling the Fluvial Transport of Water and Constituents (1993-2000)*
 - *Inter-Project Task Force on Freshwater (1995-1999)*
 - *AFRICAN-GAIM Global Change Modeling Activity, Int'l Organizing Committee (1997)*
 - *PAGES Committee on Land Use and Climate Impacts on Fluvial Systems during the Period of Agriculture, BAHC Liaison (1994)*
- **International SCOPE Nitrogen Project, Working Group #1 (Regional/Landscape-Scale N Budgets)**
 - *Member (1999-2000)*
- **US-French National Academy of Sciences, Hydrology Workshop**
 - *Member, US Delegation (1999)*
- **GEMS-Water, WHO/UNEP Expert Panel on Land-Based Sources of Global Pollution (1995)**
- **Second International Conference on Climate and Water**

- *Rapporteur, Theme 2d: Water Balances of Large River Basins (1998)*

- US-Russian Earth Sciences Joint Working Group (Gore-Chernomyrdin Protocols)
- *US Representative to the 8th Meeting (1995)*

AWARDS RECEIVED:

- *Einstein Professorship (CUNY) (2014-present).*
- *Hungarian Order of Merit/Commander's Cross (2019) and Public Service Award (2015).* The 2019 award was conveyed personally by President János Áder, for contributions that I have made to the Hungarian hydrological sciences community dating to the early 1990s. The 2015 award was for service in support of the planning of the water-related Sustainable Development Goals, which the Hungarian Ambassador to the U.N. had spearheaded.
- *10-year Distinguished Service Award (CCNY/CUNY) (2018).*
- *Commissioner, U.S. Arctic Research Commission (2006/16).* I served three consecutive terms, appointed by Presidents Bush and President Obama. I also was lead author on a Commission report on scale-related research in the Arctic, which was distributed to the Interagency Arctic Research Policy Committee (IARPC) and cited in recent Alaskan offshore oil and natural gas permitting protocols.
- *NRC Fellowship Award, U.S. Army Corps of Engineers, Institute for Water Resources (IWR) (2008-11).* While pre-dating ASRC, this work produced a prototype set of water resource metrics, laying the groundwork for my group's current efforts to develop near-real time water assessments (i.e., COMPASS), recently supported by the World Bank and prototyped in Latin America.
- *Zayed Prize (Scientific and Technical Achievement in Environment).* Shared with co-authors, organizers, and reviewers of the Millennium Ecosystem Assessment. I was chief lead author on the MEA's water resources chapter of *Volume 1: Conditions and Trends Working Group Report*.

PUBLISHED WORKS: Sections (iv) through (vi); more than 200 publications from 1978-present

(iv) JOURNAL ARTICLES (n>140)

- Vörösmarty Charles J., Melillo Jerry M., Wuebbles Donald J., Jain Atul K., Ando Amy W., Chen Mengye, Tuler Seth, Smith Richard, Kicklighter David, Corsi Fabio, Fekete Balazs, Miara Ariel, Bokhari Hussain H., Chang Joseph, Lin Tzu-Shun, Maxfield Nico, Sanyal Swarnali, Zhang Jiaqi, Vignoles Daniel. The C-FEWS framework: Supporting studies of climate-induced extremes on food, energy, and water systems at the regional scale. *Frontiers in Environmental Science*, **2023**, 11, doi: 10.3389/fenvs.2023.1069613
- Vörösmarty Charles J., Melillo Jerry M., Wuebbles Donald J., Jain Atul K., Ando Amy W., Chen Mengye, Tuler Seth, Smith Richard, Kicklighter David, Corsi Fabio, Fekete Balazs, Miara Ariel, Bokhari Hussain H., Chang Joseph, Lin Tzu-Shun, Maxfield Nico, Sanyal Swarnali, Zhang Jiaqi. Applying a Framework to Study Climate-induced Extremes on Food, Energy, and Water Systems (C-FEWS): The Role of Engineered and Natural Infrastructures, Technology, and Environmental Management in the U.S. Northeast and Midwest. *Frontiers in Environmental Science*, **2023**, 11, doi: 10.3389/fenvs.2023.1070144
- Kicklighter David W., Lin Tzu-Shun, Zhang Jiaqi, Chen Mengye, Vörösmarty Charles J., Jain Atul K., Melillo Jerry M. Influence of forest infrastructure on the responses of ecosystem services to climate extremes in the Midwest and Northeast United States from 1980 to 2019. *Frontiers in Environmental*

Science, **2023**, (in press).

Lin Tzu-Shun, Kheshgi Haroon S., Song Yang, Vörösmarty Charles J., Jain Atul K. Which Crop Has the Highest Bioethanol Yield in the United States of America? *Frontiers in Environmental Science*, **2023**, in press

Zhang Jiaqi, Chen Mengye, Gao Shang, Li Zhi, Vörösmarty Charles J., Fekete Balazs M., Miara Ariel, Hong Yang. Examining the policy, technology, and climate impacts on thermoelectric power production and river thermal pollution in the Midwest and Northeast of the United States. *Frontiers in Environmental Science*, **2023**, (in review).

Maxfield Nicolas Eduardo, Smith Richard A., Chang Joseph W., Ando Amy W., Lin Tzu-Shun, Vörösmarty Charles J., Shih Jih-Shyang. Modeling the impact of technology, management, and policy-related strategies and ecosystem services on Nitrogen Water Pollution in Northeast and Midwest United States in the context of Climate Change. *Frontiers in Environmental Science*, **2023**, (in review).

Bokhari Hussain H., Najafi Ehsan, Dawidowicz Jorin, Wuchen Liushan, Maxfield Nicolas, Vörösmarty Charles J., Fekete Balazs M., Corsi Fabio, Sanyal Swarnali, Lin Tzu-Shun, Miara Ariel, Tuler Seth P. Simulating Basin-scale Linkages of the Food-Energy-Water Nexus with Reduced Complexity Modeling. *Frontiers in Environmental Science*, **2023**, (in review).

Tuler Seth P., Webler Thomas, Hansen Robin, Vorosmarty Charlie J., Melillo Jerry M., Wuebbles Donald J. Prospects and challenges of regional modeling frameworks to inform planning for food, energy, and water systems: Views of modelers and stakeholders. *Frontiers in Environmental Science*, **2023**, (in press).

Scanlon, B.R., Fakhreddine, S., Rateb, A. et al. Global water resources and the role of groundwater in a resilient water future. *Nat Rev Earth Environ* 4, 87–101 (2023). <https://doi.org/10.1038/s43017-022-00378-6>

Syvitski, J., J.R. Ángel, Y. Saito, I. Overeem, C.J. Vörösmarty, H. Wang, D. Olago. Earth's sediment cycle during the Anthropocene (2022). *Nature Reviews: Earth & Environment*, 3: 179–196.

Maharjan, A., P.M. Groffman, C.J. Vörösmarty, M. Tzortziou, X. Tang, P.A. Green (2022). Sources of terrestrial nitrogen and phosphorus mobilization in South and South East Asian coastal ecosystems *Watershed Ecology and the Environment* 4, 12-31.

Vörösmarty, C.J., B. Stewart-Koster, P.A. Green, E.L. Boone, M. Flörke, Günther Fischer, D.A. Wiberg, S.E. Bunn, A. Bhaduri, P.B. McIntyre, C.Sadoff, H. Liu, and D. Stifel (2021). A green-gray path to global water security and sustainable infrastructure. *Global Environmental Change*, 2021, 70, 102344.

Tamaddun, K.A., G.E. Louis, C.J. Vörösmarty, and L.E. Band (2021). Eco-Hydrology and hydraulics of urban watersheds—A resilience Approach. *World Environmental and Water Resources Congress 2021*, 741-753.

Martinez-Espinosa, C., S. Sauvage, A. Al Bitarb, P.A. Green, C.J. Vörösmarty, J.M. Sanchez-Pereza (2020). Denitrification in wetlands: A review towards a quantification at global scale. *Science of the Total Environment*, 2020, 754, 142398. DOI: 10.1016/j.scitotenv.2020.142398.

- Miara, A., S.M. Cohen, J. Macknick, C.J. Vörösmarty, F. Corsi, Y. Sun, V.C. Tidwell, R. Newmark, and B.M. Fekete. Climate-water adaptation for future US electricity infrastructure. *Environmental Science & Technology*, 2019, 53, 14029-14040. DOI: 10.1021/acs.est.9b03037
- Vörösmarty, C.J., V. Rodriguez Osuna, D.A. Koehler, P. Klop, J.D. Spengler, J.J. Buonocore, A.D. Cak, Z.D. Tessler, F. Corsi, P.A. Green, and R. Sanchez (2018). Scientifically assess impacts of sustainable investments. *Science*, 359: 523-525.
- Vörösmarty, C.J., V. Rodriguez Osuna, A.D. Cak, A. Bhaduri, S.E. Bunn, F. Corsi, J. Gastelumendi, P. Green, I. Harrison, R. Lawford, P.J. Marcotullio, M. McClain, R. McDonald, P. McIntyre, M. Palmer, R.D. Robarts, A. Szöllosi-Nagy, Z. Tessler, and S. Uhlenbrook (2018). Ecosystem-based water security and the Sustainable Development Goals (SDGs). *Ecohydrology & Hydrogeology*, 18(4): 317-333.
- Zalewski, M., G. Arduino, G. Bidoglio, W. Junk, J. Cullmann, S. Uhlenbrook, J. Xia, C. Garcia de Leaniz, P.M. Rowinski, C.J. Vörösmarty, and L. Chicaro (2018). Low cost, nature-based solutions for managing aquatic resources: Integrating the principles of ecohydrology and the circular economy. *Ecohydrology & Hydrobiology*, 18(4): 309-310.
- Kim, Y., I. Kong, H. Park, H.J. Kim, I.J. Kim, M.-J. Um, P.A. Green, and C.J. Vörösmarty (2018). Assessment of regional threats to human water security adopting the global framework: A case study in South Korea. *Science of the Total Environment*, 637: 1413-1422.
- Tessler, Z.D., C.J. Vörösmarty, I. Overeem, and J.P.M. Syvitski (2018). A model of water and sediment balance as determinants of relative sea level rise in contemporary and future deltas. *Geomorphology*, 305: 209-220.
- Miara, A., C.J. Vörösmarty, J.E. Macknick, V.C. Tidwell, B. Fekete, F. Corsi, and R. Newmark (2018). Thermal pollution impacts on rivers and power supply in the Mississippi River watershed. *Environmental Research Letters*, 13(3): 034033.
- Miara, A., J.E. Macknick, C.J. Vörösmarty, V.C. Tidwell, R. Newmark, and B. Fekete. (2017). Climate and water resource change impacts and adaptation potential for US power supply. *Nature Climate Change*, 7: 793-798.
- Ehsani, N., C.J. Vörösmarty, B.M. Fekete, and E.Z. Stakhiv (2017). Reservoir operations under climate change: Storage capacity options to mitigate risk. *Journal of Hydrology*, 555: 435-446.
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- Tessler, Z.D., C.J. Vörösmarty, M. Grossberg, I. Gladkova, and H. Aizenman (2016). A global empirical typology of anthropogenic drivers of environmental change in deltas. *Sustainability Science*, 11(4): 525-537, doi:10.1007/s11625-016-0357-5.

- Harrison, I.J., P.A. Green, T.A. Farrell, D. Juffe-Bignoli, L. Saenz, and C.J. Vörösmarty (2016). Protected areas and freshwater provisioning: A global assessment of freshwater provision, threats and management strategies to support human water security. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 26: 103-120.
- Bhaduri, A., J. Bogardi, A. Siddiqi, H. Voigt, C. Vörösmarty, C. Pahl-Wostl, S.E. Bunn, P. Shrivastava, R. Lawford, S. Foster, H. Kremer, F.G. Renaud, A. Bruns, and V.R. Osuna (2016). Achieving sustainable development goals from a water perspective. *Frontiers in Environmental Science*, 4: 64.
- Ehsani, N., B.M. Fekete, C.J. Vörösmarty, and Z.D. Tessler (2016). A neural network based general reservoir operation scheme. *Stochastic Environmental Research and Risk Assessment*, 30(4): 1151-1166.
- Konar, M., T.P. Evans, M. Levy, C.A. Scott, T.J. Troy, C.J. Vörösmarty, and M. Sivapalan (2016). Water resources sustainability in a globalizing world: Who uses the water. *Hydrological Processes*, 30(18): 3330-3336.
- Vörösmarty, C.J., A.Y. Hoekstra, S.E. Bunn, D. Conway, and J. Gupta (2015). Fresh water goes global. *Science*, 349: 478-479
- Tessler, Z. D., C.J. Vörösmarty, M. Grossberg, I. Gladkova, H. Aizenman, H., J.P.M. Syvitski, and E. Foufoula-Georgiou (2015). Profiling risk and sustainability in coastal deltas of the world. *Science*, 349: 638-643.
- Green, P.A., C.J. Vörösmarty, I. Harrison, T. Farrell, L. Saenz, & B.M. Fekete (2015). Freshwater ecosystem services supporting humans: Pivoting from water crisis to water solutions. *Global Environmental Change*, 34: 108-118.
- Vörösmarty, C.J., M. Meybeck, and C.L. Pastore (2015). Impair-then-repair: A brief history & global scale hypothesis regarding human-water interactions in the anthropocene. *Daedalus (American Academy of Arts and Sciences)*, 144(3): 94-109.
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- Hale, R.L., N.B. Grimm, C.J. Vörösmarty, and B. Fekete (2014). Nitrogen and phosphorus fluxes from watersheds of the Northeast U.S. from 1930-2000: Role of anthropogenic nutrient inputs, infrastructure, and runoff. *Global Biogeochemical Cycles*, 29(3): 341-356.
- Miara, A., C. Tarr, R. Spellman, C.J. Vörösmarty, and J.E. Macknick (2014). The power of efficiency: Optimizing environmental and social benefits through demand-side-management. *Energy*, 76: 502-512, doi:10.1016/j.energy.2014.08.047.
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- Vörösmarty, C.J., L. Bravo de Guenni, W.M. Wollheim, B. Pellerin, D. Bjerklie, M. Cardoso, C. D'Almeida, P. Green, and L. Colon (2013). Extreme rainfall, vulnerability and risk: A continental-scale assessment for South America. *Philosophical Transactions of the Royal Society A*, 371: 20120408, doi:10.1098/rsta.2012.0408. (Invited).
- Vörösmarty, C.J., C. Pahl-Wostl, and A. Bhaduri (2013). Water in the anthropocene: New perspectives for global sustainability. *Current Opinion in Environmental Sustainability*, 5: 535-538.
- Vörösmarty, C.J., C. Pahl-Wostl, S.E. Bunn, and R. Lawford (2013). Global water, the anthropocene and the transformation of a science. *Current Opinion in Environmental Sustainability*, 5: 539-550.
- Pahl-Wostl, C., C. Vörösmarty, A. Bhaduri, J. Bogardi, J. Rockstrom, and J. Alcamo (2013). Towards a sustainable water future: Shaping the next decade of global water research. *Current Opinion in Environmental Sustainability*, 5: 708-714.
- Bogardi, J.J., B.M. Fekete, and C.J. Vörösmarty (2013). Planetary boundaries revisited: A view through the 'water lens'. *Current Opinion in Environmental Sustainability*, 5: 581-589. Available online at <http://www.sciencedirect.com/science/article/pii/S187734351300136X>.
- Miara, A. and C.J. Vörösmarty (2013). A dynamic model to assess tradeoffs in power production and riverine ecosystem protection. *Environmental Science Processes and Impacts*, 15: 1113-1126.
- Miara, A., C.J. Vörösmarty, R. Stewart, W. Wollheim, and B. Rosenzweig (2013). Riverine ecosystem services and the thermoelectric sector: Strategic issues facing the Northeastern United States. Special Issue on Electricity, Water and Climate, *Environmental Research Letters*, 8: 025017, doi:10.1088/1748-9326/8/2/025017.
- Hale, R.L., J.H. Hoover, W.M. Wollheim, and C.J. Vörösmarty (2013). History of nutrient inputs to the Northeastern United States, 1930-2000. *Global Biogeochemical Cycles*, 27(2): 578-591.
- Stewart, R.J., W.M. Wollheim, A. Miara, C.J. Vörösmarty, B. Fekete, R. Lammers, and B. Rosenzweig (2013). Horizontal cooling towers: Riverine ecosystem services and the fate of thermoelectric heat in the contemporary Northeast. *Environmental Research Letters*, 8: 025010, doi:10.1088/1748-9326/8/2/025010.
- Lu, X., D.W. Kicklighter, J.M. Melillo, P. Yang, B. Rosenzweig, C.J. Vörösmarty, B. Gross, and R. Stewart (2013). A contemporary carbon balance for the Northeast region of the United States. *Environmental Science and Technology*, 47(23): 13230-13238.
- Foufoula-Georgiou, E., I. Overeem, Y. Saito, S. Dech, C. Kuenzer, S. Goodbred, I. Harrison, E. Anthony, E. Brondizio, J. Hutton, R.J. Nicholis, Z. Matthews, J. Dearing, A. Lazar, A. Bascieri, A. Newton, R. Ramachandran, F.G. Renaud, Z. Sebesvari, C. Vörösmarty, Z. Tessler, S. Costa, K.M. Ahmed, M.M. Rahman, G. Lintern, P. Van Cappellen, H. Durr, S. Gao, M. Marchand, T. Bucx, V.L. Nguyen, M. Goichot, C. Paola, D. Mohrig, and R. Twilley (2013). A vision for a coordinated international effort on delta sustainability. *Deltas Landforms Ecosyst Human Act*, 358: 3-11.
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- Wilson, J.S., C. Hermans, M. Sivapalan, and C. J. Vörösmarty (2010). Blazing new paths for interdisciplinary hydrology. *Eos Trans. AGU*, 91(6), doi:10.1029/2010EO060001.
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(vii) PRESENTATIONS AND LEADERSHIP ROLES BEFORE PROFESSIONAL GROUPS AND WORKSHOPS (selections as primary presenter; over 550 presentations from 1983 to present)

- AGU Frontiers in Hydrology. Comedy, Culture, Capacity Building and Cinema Session Panelist. 2022 (Invited).
- “A Macro-scale Perspective on Human-Environment Dynamics in the Anthropocene”. ASRC Symposium on Impact of Climate Crisis on Ecosystem and Human Health. 2022 (Invited).
- “A Green-Gray Path to Global Water Security and Sustainable Infrastructure”. Society for Ecological Restoration (SER) e-seminar. 2022 (Invited).
- “A Green-Gray Path to Global Water Security and Sustainable Infrastructure”. Earth & Environment Spring Seminar Series. Boston University. 2022 (Invited).

- “Climate Change: From Threats to Opportunities, From Burden to Creation of Added Value.” Planet Budapest, Budapest, HUNGARY. 2021. (Invited session moderator).
- “A Green-Gray Path to Global Water Security and Sustainable Infrastructure”. Geography Appreciation Week Lecture Hunter College. 2021. (Invited).
- “Training a Next Generation of Water Scientists, Engineers, and Policy-Makers: A Brief Needs Assessment in the Age of Sustainable Development”. Sixth International Symposium Knowledge and Capacity Development for Water Management, Delft, NETHERLANDS. 2020. (Invited).
- “Climate-induced Extremes on the Food, Energy, Water Nexus (C-FEWS) and the Role of Engineered and Natural Infrastructure”. Poster Presentation, AGU Fall Meeting 2021, New Orleans, LA. 2021.
- “Three Key Infrastructures for Sustainable Regional Re-Development.” INSULA MAGNA Symposium. Mosonmagyaróvár, HUNGARY. 2021. (Invited).
- “A Green-Gray Path to Global Water Security and Sustainable Infrastructure”. Australian Rivers Institute Seminar Series, Griffith University. (2021). (Invited).
- “The Three Infrastructures of Sustainable Regional (Re)-Development”. Marmara Urban Forum (MARUF) Rethinking Infrastructure, Istanbul, TURKEY. 2021. (Invited).
- “Regional Re-Development”. iASK-KRAFT Symposium, Kőszeg, HUNGARY. 2021. (Invited).
- “The Future of Global Water Security, Infrastructure, and the SDGs”, ASRC Science Café, New York, NY (USA). 2021.
- “The Environment, Sustainable Development, and the Unique Challenge of the 21st Century City”. Thriving after Massive Global Disruption Seminar, Strathclyde University, Glasgow SCOTLAND. 2020. (Invited).
- “The Great Disruption Meets the Great Acceleration: COVID, Cities and the 21st Century Environment. New York Hungarian Scientific Society. 2020. (Invited)
- “Coastal Hypoxia Analysis and Risk Tracking (CHART) through Remote Sensing and Process-Based Modeling in South and Southeast Asia. Fall AGU Meeting, San Francisco, CA. 2020.
- “Transitioning towards Resilient Urban Water Systems through Traditional Engineering and Nature-based Strategies (ReUWS)”. Fall AGU Meeting, San Francisco, CA. 2020.
- “The Great Water Debates of 2015: Simmering Battles in the Water sciences, Assessment and Management Communities. Guest E-lecture. Atmospheric Sciences Department (491), UIUC, Urbana-Champaign, ILLINOIS. 2020. (Invited).
- “Resilient Urban Water Systems (ReUWS)”. Water Futures Initiative (WFI) Meetings, UVa Environmental Resilience Institute, Charlottesville, VA. 2020. (Invited).
- “How Do We Generate Knowledge in Environmental Science? The Example of Watersheds: Models, Sensors, Remote Sensing”. ASRC Super Friday, New York, NY. 2020.
- “A Water Secure World for All: Reaching the World Bank’s Goal across a Bounded Planet”.

- World Bank Water Week, Washington, DC. 2019. (Invited opening keynote).
- “Global Water Security and the Role of 21st Century Science & Technology. Budapest Water Summit, Budapest, HUNGARY. 2019. (Invited keynote).
- “Overview of COMPASS (Comprehensive Assessment of Global Water Resources)”. Budapest Water Summit, Budapest, HUNGARY. 2019. (Invited).
- “Joint Briefing on Private Sector Academic Partnerships in Sustainable Impact Investing”. ASRC Environmental Sciences Initiative Seminar. 2019.
- “Sustaining Human Water Use in the 21st Century Hydrosystem: Assessing the Roles of Traditional Engineering and Natural Capital,” w/ several colleagues. Poster Presentation, Fall AGU Meeting, San Francisco, California. 2019.
- “A Model for Sustainable Water Systems in Africa Combining Traditional Engineering and Natural Capital”. Fall AGU Meeting, San Francisco, California. 2019. (Invited).
- “Achieving Human Water Security: The Role of Traditional Engineering and Natural Capital”. Briefing to U.S. Interagency Water Working Group (IWWG), Washington, DC. 2019. (Invited).
- “Global Water Security and the Role of 21st Century Digital Science & Technology”. Water Future Conference, Bengaluru, INDIA. 2019. (Invited keynote).
- “Roundtable on Financing Water.” Regional Meeting: The Americas, Inter-American Development Bank Headquarters, Washington, DC. 2019.
- “Briefing to the Ugandan Delegation on Green-Gray Infrastructure for Water Security,” as part of Conservation International’s South-South Exchange Programme, Arlington, VA. 2019.
- “Sustainable Development Challenges, Opportunities, and Dispatches from the Budapest Water Summit of 2019”. NY Hungarian Scientific Society, New York, NY. 2019. (Invited).
- “Some Preliminary Thoughts on Incorporating Environmental Indicators into the Human Development Index”. Briefing to UNDP Human Development Report Office, U.N. Headquarters, New York, NY. 2019. (Invited).
- “Water and the Sustainable Development Agenda: Attaining Human Goals across a Bounded Planet”. Association of Hungarian-American Academicians (AMAT) Conference, Memphis, TN. 2019. (Invited).
- “Sustainable Investing: Science, Asset Management, and Sustainable Development.” Session organizer, AAAS Meeting, Washington DC. 2019.
- “Measuring Impacts of Global Equities on Water Systems. Sustainability Metrics from Earth System Science in the Era of the SDGs. Brown Bag Seminar, World Bank, Washington DC. 2019. (Invited).
- “Opening Remarks: Home in the Time of Climate Change.” An interdisciplinary conference to identify, understand, and address the implications of ongoing climate change on the experience of home, place and dislocation, Advanced Science Research Center, New York, New York. 2018.

- “Sustainable Infrastructure for Sustainable Development: The Notion of Blending Gray and Green Infrastructure,” w/ many colleagues. ESE Friday Seminar, University of Virginia, Charlottesville, Virginia. 2018.
- “Conceptual Framing: Key Research Themes in the Context of the SDGs... today and into the future,” w/ many colleagues. SESYNC Sub-Sahara Water Futures Workshop and the SDGs, Annapolis, Maryland. 2018.
- “Placing Gray and Green Infrastructure Thinking into Practical Plans for Resiliency and Revitalization: A Case Study for Kőszeg and the Pannonian Region.” iASK Future of Europe 2018, Kőszeg, Hungary. 2018. (Invited).
- “Beyond Environmental Protection in the SDG Era: Prospects for Blending Gray & Green Infrastructure.” w/ many colleagues. OECD Seminar on Quality Infrastructure Investment, Tokyo, Japan. 2018. (Invited).
- “Global Water Security: Prospects for transforming problems into solutions?” Opening Talk: SDSN Water Security MOOC, Stockholm, Sweden. 2018. (Invited).
- “Tracking Sustainable Infrastructure with Near Real-Time Comprehensive Assessments.” World Water Week Symposium, Stockholm, Sweden. 2018. (Invited).
- “Global Water Quality Challenges and Grey-Green Solutions,” w/ P. Green. World Water Week Symposium, Stockholm, Sweden. 2018. (Invited).
- “Achieving Human Water Security: The Role of Traditional Engineering and Natural Capital.” Briefing to the OECD, Paris, France. 2018. (Invited).
- “Lessons from a Previous Set of Summers (2007-10). Humans Transforming the Water Cycle: NSF-funded Activities in Hydrologic Synthesis.” iASK-CUNY Summer Institute, Kőszeg, Hungary. 2018.
- “Sustainable Water Future Programme.” Briefing to the World Bank, Washington, DC. 2018. (Invited).
- “Measuring Impacts of Global Equities on Water Systems: Sustainability Metrics from Earth System Science in the Era of the SDGs,” w/ several colleagues. Investor Water Hub Speaker Series: Scientifically Assessing Water Performance of Investments: Results from PGGM and UBS study with the City University of New York and other academic partners, New York, New York. 2018. (Invited).
- “Water-Water Everywhere: But is it Any Good?,” w/ many colleagues. Farleigh Dickinson University Honors Academy, Teaneck, New Jersey. 2018.
- “Interdisciplinary Environmental Initiatives.” Ocean Science Collaborative Workshop, Advanced Science Research Center, City University of New York, New York, New York. 2018.
- “Catalyzing interdisciplinary environmental science research and discovery through data and data analytics.” The Environmental Sciences Initiative, BHEF-CUNY Dialogue, Advanced Science Research Center, New York, New York. 2018.
- “Climate and Water Resource Change Impacts on US Electricity Infrastructure Development and Adaptation Opportunities,” w/ several colleagues. AGU Fall Meeting, 2018, San Francisco,

California. 2018.

“Threats to Global Water Security: Prospects for transforming problems into solutions?” Water-Stressed Futures Symposium, Water Systems & Global Change Group, Wageningen, The Netherlands. 2017. (Invited)

“A National Energy-Water System Assessment Framework (NEWS): Stage I Research Strategy and Results,” w/ many colleagues. Integrated Human-Earth Systems Modeling for Vulnerability and Risk Assessment, Adaptation, and Resilience I, AGU Fall Meeting 2017, New Orleans, Louisiana. 2017.

“Arctic System Science: Meeting Earth System and Social Impact Challenges through Integrative Approaches and Synthesis,” w/ many colleagues. Understanding the New Arctic, AGU Fall Meeting 2017, New Orleans, Louisiana. 2017. (Invited).

“Science Shaping Sustainable Finance,” AGU Fall Meeting 2017, New Orleans, Louisiana. 2017.

“Environmental Protection under the New Normal,” Rifkin Center Lecture on The New Normal: Presidential Politics & the University, New York, New York. 2017

“Feasible Electricity Infrastructure Pathways in the Context of Climate-Water Change Constraints,” w/ A. Miara and other colleagues. AGU Fall Meeting 2017, New Orleans, Louisiana. 2017.

“Development and Performance of Alternative Electricity Sector Pathways Subject to Multiple Climate and Water Projects,” w/ R.L. Newmark and other colleagues. AGU Fall Meeting 2017, New Orleans, Louisiana. 2017.

“Catalyzing Cross-Disciplinary Research and Education Within and Beyond the Environmental and Geosciences to Address Emerging, Societally-Relevant Issues,” w/ A.D. Cak and other colleagues. AGU Fall Meeting 2017, New Orleans, Louisiana. 2017.

“Climate and Water Vulnerability of the US Electricity Grid Under High Penetrations of Renewable Energy,” w/ J. Macknick and other colleagues. AGU Fall Meeting 2017, New Orleans, Louisiana. 2017.

“Modeling Anthropogenic Impact on Sediment Balance and Relative Sea-level Rise in Contemporary and Future Deltas,” w/ Z.D. Tessler and other colleagues. AGU Fall Meeting 2017, New Orleans, Louisiana. 2017.

“The State and Trajectory of Global Fresh Water: The Case for Cautious Pessimism,” w/ many colleagues. Landscapes in the Anthropocene, GSA-2017, Seattle, Washington. 2017.

“The State and Trajectory of Global Fresh Water: The Role of Traditional Engineering and Natural Capital,” w/ many colleagues. Ecohydrology for the Circular Economy Conference, Lodz, Poland. 2017. (Invited).

“From Water Quality Challenges to Solutions,” Water Quality: A New Challenge for Global Scale Modelling, Wageningen, The Netherlands. 2017. (Invited).

“The World’s Water Systems: A gram of prevention worth a kilogram of cure.” VII World Conference on Ecological Restoration, Foz do Iguassu, Brazil. 2017. (Invited keynote).

- “Urban Systems in the Anthropocene: Prospects for transforming problems into solutions?” CLIMATTERS Symposium, Budapest, Hungary. 2017. (Invited).
- “(Five) “Ah-Ha” Moments from the World of Global Water Science.” CSURP Seminar, Advanced Science Research Center, New York, New York. 2017.
- “(Five) “Ah-Ha” Moments from the World of Global Water Science.” CUNY BMCC Annual Research Symposium (BARS), Borough of Manhattan Community College, New York, New York. 2017.
- “Environmental Protection under the New Normal.” The New Normal: Presidential Politics & the University, 2017, Advanced Science Research Center, New York, New York. 2017.
- “Catalyzing interdisciplinary environmental science research and discovery.” The Environmental Sciences Initiative, Advanced Science Research Center, New York, New York. 2017.
- “Overview and Neuro-Synthesis Activities.” Neuroscience Inaugural Symposium, ASRC Environmental Sciences, New York, New York. 2017.
- “Overview and Synthesis Activities.” ASRC Seminar Series, ASRC Environmental Sciences, New York, New York. 2017.
- “Overview and Synthesis Activities.” ASRC Environmental Sciences, Briefing at NYIT. 2017.
- “CUNY-ASRC’s Environmental Science Initiative Geographies.” CUNY G.I.S. Research Summit, CUNY School of Law, Long Island City, New York. 2017.
- “Global Water Systems: Understanding the investment opportunity.” Investment Training Seminar, UBS, Chicago, Illinois. 2017.
- “Measuring Impacts of Global Equities on Water Systems,” w/ several colleagues. Sustainability Metrics, UBS Sovereign Wealth Fund Meeting, New York, New York. 2017.
- “Ecosystems for Human Water Security: How Will We Progress through the Era of the SDGs?” Budapest 2016 Water Summit, Budapest, Hungary. 2016. (Invited keynote).
- “The Future of Investment: A Focus on Water,” w/ P. Klop (PGGM) and D. Koehler (UBS). Budapest 2016 Water Summit, Budapest, Hungary. 2016.
- “Global Water: Closer Than You Think.” NY Hungarian Scientific Society, Lecture at the Hungarian Consulate, Budapest, Hungary. 2016.
- “ASRC Environmental Sciences: Observatory and Analytical Assets (and their use).” Smart Cities and Renewables: A Public Discussion, German Center for Research and Innovation, New York, New York. 2016. (Invited).
- “Introduction to The Belmont Forum DELTAS Workshop and Synthesis Meeting,” w/ Z. Tessler. Advanced Science Research Center, New York, New York. 2016.
- “Fresh Water, the Anthropocene, and a Hippocratic Oath.” Aiken Seminar Series, University of Vermont, Burlington, Vermont. 2016.

- “ASRC Environmental Sciences: Observatory and Analytical Assets (and their use).” Advanced Science Research Center (ASRC) Open House, New York, New York. 2016.
- “Threats to the Global Water System and the Role of Intact Environmental Services,” w/ B. Fekete, F. Corsi, P. Green, & B. Stewart-Koster. 4th British Historical. Society International Symposium, Cranfield University, Bedford, United Kingdom. 2016. (Invited).
- “African Water Security: The temptation of infrastructure and its tradeoffs,” w/ B. Fekete, F. Corsi, P. Green, & B. Stewart-Koster. Malin Falkenmark Symposium, A Triple Green Future for Humanity, Stockholm, Sweden. 2016. (Invited).
- “Freshwater Ecosystem Services Supporting Humans: Pivoting from water crisis to water solutions,” w/ P. Green. Moore Center for Science Brown Bag Seminar, Conservation International, Arlington, Virginia. 2016. (Invited).
- “Freshwater Ecosystem Services Supporting Humans: Pivoting from water crisis to water solutions.” Institute of Advanced Studies, Köszeg, Hungary. 2016. (Invited)
- “Briefings on Two Arctic Systems Science Efforts with Links to the Policy Domain: Arctic Futures Initiative and Upcoming ARCSS Synthesis Workshops.” A 5° Arctic in a 2° World Conference, Union Theological Seminary, Columbia University, New York, New York. 2016.
- “ASRC Environmental Sciences: Observatory and Analytical Assets (and their use).” CUNY-Strathclyde Collaboration Workshop, Advanced Science Research Center, New York, New York. 2016.
- “ASRC Environmental Sciences: Observatory and Analytical Assets (and their use).” CUNY/SUNY Collaboration Meeting, SUNY Global Center, New York, New York. 2016.
- “Impair-then-Repair: A global scale hypothesis on human-water interactions in the Anthropocene.” The E.F. Wood Symposium: Observations and Modeling Across Scales, Princeton, New Jersey. 2016.
- “Briefing to the High Level Panel on Water: Ecosystem Integrity for Water Security and Affiliated Data Integration.” HLPW Sherpa Meeting, Rotterdam, The Netherlands. 2016. (Invited).
- “A Global, End-to-End Mapping System (E2E) for Diagnosing Water Stress, Human Water Security and Potential Conflict Hotspots.” Department of Defense Science and Technology Workshop on Environmental Security. Arlington, Virginia. 2016.
- “Some (5) Musings from the World of Global Water Science: Sustainable MegaCities?” MegaCity Waste Management Dialogue, CUNY Advanced Science Research Center, New York, New York. 2016.
- “A National Energy-Water System Assessment Framework (NEWS) – Year 2 Progress.” National Science Foundation Water Sustainability and Climate PI Meeting, Arlington, Virginia, 2016.
- “Global Water, the Anthropocene, and the Transformation of a Science.” CELS Seminar Series, Center for Environmental and Life Sciences, Montclair State University, Montclair, New Jersey. 2016. (Invited).
- “Arctic Futures Initiative (AFI): Purpose, Goals and Tools.” 2016 AAAS Meeting Session on Arctic Changes, Arctic Visions: Informing Policies for the Arctic Future we Want, Washington, DC. 2016. (Invited).

- “The CUNY Advanced Science Research Center (ASRC).” Briefing to Consolidate Edison Executives and Staff, Advanced Science Research Center, New York, New York. 2016. (Invited).
- “Sea-Level Rise and Land Subsidence in Deltas: Estimating Future Flood Risk Through Integrated Natural and Human System Modeling,” w/ Z.D. Tessler. AGU Fall Meeting 2016, San Francisco, California. 2016.
- “Identifying Electricity Capacity at Risk to Changes in Climate and Water Resources in the United States,” w/ A. Miara and other colleagues. AGU 2016 Fall Meeting, San Francisco, California. 2016.
- “Lessons Learned from Dynamic Linking of a Hydrology Model with an Electricity Sector Model,” w/ S.M. Cohen and other colleagues. AGU 2016 Fall Meeting, San Francisco, California. 2016.
- “Climate Change Impact on Operation of Dams and Hydroelectricity Generation in the Northeastern United States,” w/ N. Ehsani and B.M. Fekete. AGU 2015 Fall Meeting, San Francisco, California. 2015.
- “Arctic Futures Initiative (AFI): Merging Earth System Science and Policymaker Perspectives,” w/ A. Reissell & T. Armstrong. AGU Town Hall, AGU 2015 Fall Meeting, San Francisco, California. 2015.
- “Overview of the National Energy-Water System (NEWS) Assessment Framework Study.” The Water-Energy Nexus: Data, Impacts, and Opportunities, AGU 2015 Fall Meeting, San Francisco, California. 2015.
- “Water-Constrained Electric Sector Capacity Expansion Modeling Under Climate Change Scenarios,” w/ S.M. Cohen and other colleagues. AGU 2015 Fall Meeting, San Francisco, California. 2015.
- “Contribution of Nutrient Pollution to Water Scarcity in the Water-Rich Northeastern United States,” w/ R.L. Hale and C. Lopez. AGU 2015 Fall Meeting, San Francisco, California. 2015.
- “The Geophysical, Anthropogenic, and Social Dimensions of Delta Risk: Estimating Contemporary and Future Risks at the Global Scale,” w/ Z.D. Tessler and other colleagues. AGU 2015 Fall Meeting, San Francisco, California. 2015.
- “Will the Arctic Land Surface become Wetter or Drier in Response to a Warming Climate,” w/ L.D. Hinzman and other colleagues. AGU 2015 Fall Meeting, San Francisco, California. 2015.
- “Trajectories of Future Land Use for Earth System Modeling of the Northeast United States,” w/ B. Rosenzweig, X. Lu, and D.W. Kicklighter. AGU 2015 Fall Meeting, San Francisco, California. 2015.
- “Data Management System for the National Energy-Water System (NEWS) Assessment Framework,” w/ F. Corsi and other colleagues. AGU 2015 Fall Meeting, San Francisco, California. 2015.
- “Climate Change Impacts on Rivers and Implications for Electricity Generation in the United States,” w/ A. Miara and other colleagues. AGU 2015 Fall Meeting, San Francisco, California. 2015.
- “Urban Climate Change Resilience as a Teaching Tool for a STEM Summer Bridge Program,” w/ B. Rosenzweig, A. Socha, and F. Corsi. AGU 2015 Fall Meeting, San Francisco, California. 2015.
- “Impact of Reservoirs on Contemporary and Future Hydrology of the Northeastern United States,” w/ N.

- Ehsani and B.M. Fekete. AGU 2015 Fall Meeting, San Francisco, California. 2015.
- “Living on the Edge: Flood Risks to Societies,” w/ B.M. Fekete and S.A. Tork. AGU 2015 Fall Meeting, San Francisco, California. 2015.
- “Overview of the National Energy-Water System (NEWS) Assessment Framework Study,” w/ several colleagues. AGU 2015 Fall Meeting, San Francisco, California. 2015.
- “The State of Global Fresh Water... and why I am cautiously pessimistic.” Dupont Summit on Science, Technology and Environmental Policy, Washington, DC. 2015.
- “Waters of the Anthropocene: Past, Present and Future (staged as debates in the water sciences, assessment and management communities).” UIUC EWES Lecture, University of Illinois, Urbana-Champaign, Illinois. 2015. (Invited).
- “The Freshwater Debates: Simmering battles in the water sciences, assessment and management communities.” Global Institute for Water Security (GIWS) Distinguished Lecture Series, University of Saskatchewan, Saskatoon, Saskatchewan, Canada. 2015. (Invited).
- “A Global Perspective on Water Resources.” The Whyte Museum Water Symposium, Banff, Canada. 2015. (Invited).
- “Water Goes Global: But to a sustainable water future.” 18th International River Symposium, Brisbane, Queensland, Australia. 2015. (Invited keynote).
- “Water Assessment and the Sustainable Water Futures Programme.” Special Session on the SWFP at the 18th International River Symposium, Brisbane, Queensland, Australia. 2015. (Invited).
- “The Ultimate Connectivity: Water Science at the Global Scale.” 4th Biennial ISRS Symposium on Connectivity: Closing Session, LaCrosse, Wisconsin. 2015. (Invited keynote).
- “The Role of Global Water Science in Sustainable Development: Lessons from Two Simmering Debates.” GWSP SDG Water Perspectives Conference: Opening Session, Bonn, Germany. 2015. (Invited keynote).
- “The Notion of Risk in Sustainable Water Assessment.” Sustainable Development Goals: A Water Perspective, International Conference, Bonn, Germany. 2015.
- “(Five) “Ah-Ha” Moments from the World of Global Water Science.” CUNY Research Scholars Program Summer Symposium, John Jay College, New York, New York. 2015.
- “Briefing on the CUNY Advanced Science Research Center (ASRC) and Acknowledgement of the Inputs of Jeff Steiner.” Jeffrey C. Steiner Memorial Research Symposium, New York, New York. 2015.
- “Water in the 21st Century: Sources of Pessimism, Sources of Optimism.” Water Institute Lecture, University of Waterloo, Waterloo, Canada. 2015. (Invited).
- “Rivers in the Anthropocene: Where Are We and Where Are We Flowing?” Connecting Water Resources, Canadian Water Network, Ottawa, Canada. 2015. (Invited keynote).
- “A National Energy-Water System Assessment Framework (NEWS): Stage I Development.” NSF Water Sustainability and Climate Program Category 3, National Science Foundation, Water Sustainability &

- Climate PI Meeting, Arlington, Virginia. 2015.
- “Global Indicators for Sustainable Water Use.” Briefing to the World Bank, Washington, DC. 2014.
- “Communicating the Science and Impacts of Fundamental Earth System Change... A Focus on Ice-Snow-Water,” w/ Davidsson, P.A., Muir, M. & Sandford, R. The World Bank, Washington, DC. 2014.
- “Water Security: Some Musings from the World of Global Hydrology.” Science/AAAS Water Mini-Retreat, Washington, DC. 2014. (Invited).
- “Spatial-Temporal heterogeneity in Regional Watershed Phosphorus Cycles Driven by Changes in Human Activity over the Past Century,” w/ R.L. Hale and N.B. Grimm. AGU 2014 Fall Meeting, San Francisco, California. 2014.
- “River Network Uncertainty and Coastal Morphodynamics in the Mekong Delta: Model Validation and Sensitivity to Fluvial Fluxes,” w/ Z.D. Tessler, S. Cohen, and H. Tang. AGU 2014 Fall Meeting, San Francisco, California. 2014.
- “A Spatial Assessment of Hydrologic Alteration Caused by Dams in the Northeastern United States using a Neural Network Based Daily Reservoir Operation Scheme,” w/ N. Ehsani and other colleagues. AGU 2014 Fall Meeting, San Francisco, California. 2014.
- “A Megaregion-scale Approach for Assessing the Impacts of Climate Change and Strategic Management Decisions in the Northeast United States,” w/ B. Rosenzweig and other colleagues. AGU 2014 Fall Meeting, San Francisco, California. 2014.
- “The Northeastern United States Energy-Water Nexus: Climate Change Impacts and Alternative Water Management Strategies for the Power Sector,” w/ A. Miara and other colleagues. AGU 2014 Fall Meeting, San Francisco, California. 2014.
- “Ingesting Land Surface Temperature Differences to Improve Downwelling Solar Radiation using Artificial Neural Network: A Case Study,” w/ N.K. Malakar and other colleagues. AGU 2014 Fall Meeting, San Francisco, California. 2014.
- “Rivers in the Anthropocene: Mapping Human Water Security,” w/ P. Green. AGU 2014 Fall Meeting, San Francisco, California. 2014.
- “The Northeast Regional Earth System Model: Translating Biogeophysical Dynamics into the Strategic Environmental Planning and Management Domains,” w/Duchin, F., Melillo, J., Miara, A., Paaswell, R., Rosenzweig, B., Wollheim, W. National Center for Environmental Economics Seminar, US Environmental Protection Agency, Washington, DC. 2014. (Invited).
- “Forecasting the Region: Integrating Models and Observatories for Environmental Services and Impact Assessment.” w/ K. McDonald. NASA Jet Propulsion Laboratory (JPL). 2014. (Invited).
- “The Northeast Regional Earth System Model (NE-RESM): Translating Biogeophysical Dynamics into the Strategic Environmental Planning and Management Domains.” w/ R. Paaswell, J. Melillo, F. Duchin, B. Rosenzweig. NCEE Climate Seminar plus Briefing to the Science Advisor to the EPA Administrator at EPA Headquarters, Washington, DC. 2014. (Invited)

- “Introducing the Sustainable Water Futures Programme...and its links to the NEXUS.” Sustainability in the Water-Food-Energy NEXUS Conference, Bonn, Germany. 2014. (Invited keynote).
- “The Northeast Regional Earth System Model (NE-RESM): Translating Biogeophysical Dynamics into the Strategic Environmental Planning and Management Domains.” Sandia National Laboratories, Albuquerque, NM. 2014. (Invited).
- “Indicator Mapping: Some Overall Strategies.” Briefing to the World Bank, Washington, DC. 2014.
- “Coastal Funnels: Upstream and Coastal Land Cover/Land Use Change and Impacts on Highly Urbanized River Delta Systems,” w/ Tessler, Z. LCLUC Science Team Meeting, Rockville, MD. 2014.
- “Environmental CrossRoads and a New Global Deltas Sustainability Initiative,” w/ E. Foufoula-Georgiou, Z. Tessler, & I. Overeem. DELTARES, Delft, The Netherlands. 2014. (Invited).
- “Rivers in the Anthropocene: The Rise and Fall of the Water Engineer?” The Red Wolman Lecture on Humans and Water. Consortium for Universities Allied for Hydrologic Science, Inc. (CUAHSI). 2014. (Invited keynote).
- “Troubled Water: Are We Masters of Fresh Water Management or Bulls in a China Shop?” Restoring Troubled Water Dialogue, Bard College Graduate Center, New York, New York. 2014. (Invited).
- “Rivers in the Anthropocene.” Rivers in the Anthropocene Conference, Indianapolis, Indiana. 2014.
- “The Northeast Regional Earth System Model: A Tool for Hudson River Management and Research.” w/others. Hudson River Foundation Seminar, New York NY. 2013.
- “Global Threats to Human Water Security and River Biodiversity: Implications for the Sustainable Development Goals.” Briefing to UN Friends of Water Working Group, Hungarian Mission, New York, New York. 2013.
- “The Challenges of Projections.” Water in the Anthropocene Conference, GWSP Science Conference Session on TWAP: A Global Assessment of Transboundary Water Bodies. Bonn, Germany. 2013.
- “Global Water ?” Water in the Anthropocene Conference, GWSP Science Conference Session on: Water Futures and Solutions. Bonn, Germany. 2013.
- “Nature II Ecosystem Services Effort.” Water in the Anthropocene Conference, GWSP Science Conference Session on: Water Futures and Solutions. Bonn, Germany. 2013.
- “Water Threats, Water Security and a Hippocratic Oath for Water.” Briefing to YSSP Participants, Laxenburg, Austria. 2013.
- “Twenty-first Century Earth Systems and the Hippocratic Oath.” Engineering Sustainability: Innovation and the Triple Bottom Line. Pittsburgh, Pennsylvania. 2013.
- “Water for a Crowded Planet: Lessons from the Northeast U.S.” Syracuse University, Invited Lecture, Syracuse, New York. 2013.
- “21st Century Earth Systems and the Hippocratic Oath.” World Water Week, Stockholm, Sweden. 2013.

- “Effect of Historical Interactions among Land Use, Atmospheric Chemistry and Climate on the Carbon Balance of the Northeastern United States,” w/D. Kicklighter and other colleagues. AGU 2013 Fall Meeting, San Francisco, California. 2013.
- “Reservoir Operation and Hydropower Generation Schemes for Regional Scale Hydrological Models: Case Study in the Northeastern United States,” w/Ehsani, N., Fekete, B., Rosenzweig, B. AGU 2013 Fall Meeting, San Francisco, California. 2013.
- “Strategic Energy-Water Issues Facing the Northeastern United States,” w/A. Miara, B. Rosenzweig, R. Stewart, and W. Wollheim. AGU 2013 Fall Meeting, San Francisco, California. 2013.
- “Incorporating Human Activities into an Earth System Model of the Northeastern United States: Socio-Hydrology at the Regional Scale,” w/ B. Rosenzweig and other colleagues. AGU 2013 Fall Meeting, San Francisco, California. 2013.
- “A Global Deltas Typology of Environmental Stress and its Relation to Terrestrial Hydrology,” w/ Z.D. Tessler and other colleagues. AGU 2013 Fall Meeting, San Francisco, California. 2013.
- “Replumbing the Terrestrial Hydrosphere: Scope and Impact of Major Interbasin Water Transfers,” w/K. Shikhmacheva and other colleagues. AGU 2013 Fall Meeting, San Francisco, California. 2013.
- “NE-RESM: An Integrated Water Resource Assessment and Solutions Platform for the U.S. Northeast.” AGU 2013 Fall Meeting, San Francisco, California. 2013.
- “I/O Economic Models: Quantifying the Role of Earth System Dynamics,” w/Duchin, F. 21st International Input-Output Conference. Kitakyushu, Japan. 2013.
- “New Directions in Scenario Analysis: Exploring the Unique Features of Input-Output Economics,” w/Duchin, F. 21st International Input-Output Conference. Kitakyushu, Japan. 2013.
- “21st Century Earth Systems and the Hippocratic Oath.” Marine Biological Laboratory Distinguished Scientist Seminar (Invited). Woods Hole, Massachusetts. 2013.
- “21st Century Earth Systems and the Hippocratic Oath.” Rivers of the Anthropocene Conference and Workshop (Invited). Indianapolis, Indiana. 2013.
- “21st Century Earth Systems and the Hippocratic Oath.” Engineering Sustainability 2013, Sustainable Places Session. Pittsburgh, Pennsylvania. 2012.
- “A Regional Earth System Model of the Northeast: Analyzing 21st Century Climate and Environment.” National Science Foundation EaSM 1 and 2 PI Meeting. Washington, DC. 2013.
- “A Regional Earth System Model to Assess Energy and Environmental Tradeoffs. Engineering Sustainability: Innovation and the Triple Bottom Line,” w/Miara, A., Stewart, R.J., Wollheim, W.M. and Rosenzweig, B.R. Pittsburgh, Pennsylvania. 2013.
- “Distributed Scientific Workflow for the Northeast Regional Earth System Model,” w/Lengyel, F., Rosenzweig, B.R., Yang, P. American Geophysical Union Fall Meeting, San Francisco, California. 2012.
- “River Deltas: From Local Challenges to Global Syndrome.” 7th Biennial Bay-Delta Science Conference,

Sacramento, California. 2012.

“High Resolution Map of Water Supply and Demand for Northeast United States,” w/ N. Ehsani, and B. Fekete. American Geophysical Union Fall Meeting, San Francisco, California. 2012.

“Integration of Earth System Models and Workflow Management under iRODS for the Northeast Regional Earth System Modeling Project,” w/ F. Lengyel, P. Yang, and B. Rosenzweig. American Geophysical Union Fall Meeting, San Francisco, California. 2012.

“Capacity of River Networks to Buffer Thermal Impacts of Power Plants in the Northeastern US,” w/ R.J. Stewart, W.M. Wollheim, A. Miara, and B. Rosenzweig. American Geophysical Union Fall Meeting, San Francisco, California. 2012.

“Intercomparison of Downscaling Methods for an Earth System Model of the Northeast United States,” w/P. Yang, B. Rosenzweig, B. Fekete, and F. Lengyel. American Geophysical Union Fall Meeting, San Francisco, California. 2012.

“Intercomparison of Downscaling Methods on Hydrological Applications for Northeastern U.S. Earth System Models,” w/P. Yang, and B. Fekete. American Meteorological Society Annual Meeting, Austin, Texas. 2012.

“A Model of Water Resources and Thermoelectric Plant Productivity Considering Changing Climates and environmental Policy,” w/A. Miara, R.J. Stewart, W.M. Wollheim, and B.R. Rosenzweig. ASME International Mechanical Engineering Congress. Houston, Texas. 2012.

“A Model of Water Resources and Thermoelectric Plant Productivity Considering Changing Climates and Environmental Policy,” w/A. Miara, R.J. Stewart, W.M. Wollheim, and B.R. Rosenzweig. American Geophysical Union Fall Meeting. San Francisco, California. 2012.

“A Regional Earth System Model of the Northeast Corridor: Analyzing 21st Century Climate and Environment,” w/ F. Duchin, J.M. Melillo, W.M., Wollheim, J. Gonzalez, D.W. Kicklighter, B.R. Rosenzweig, P. Yang, F. Lengyel, and B.M. Fekete. American Geophysical Union Fall Meeting, San Francisco, California. 2012.

“Aquatic Ecosystem Services in the 21st Century Northeast Corridor: Assessment Using a Regional Earth System Model,” w/ B.R. Rosenzweig, A. Miara, R.J. Stewart, and W.M. Wollheim. American Geophysical Union Fall Meeting. San Francisco, California. 2012.

“Impacts of Global Change Scenarios on Ecosystem Services from the World’s Rivers,” w/ P. McIntyre, F. Duchin, P. Green, and B. Fekete. American Geophysical Union Fall Meeting, San Francisco, California. 2012.

“Sources of Environmental Risk to Human Populations Across the Caribbean: Potential Use of Remote Sensing,” w/ M. Jevtic. American Geophysical Union Fall Meeting, San Francisco, California. 2012.

“Empirical Estimates of the Dominant Environmental Forcings on the Relative Sea Level Change of River Delta Systems,” w/ Z.D. Tessler. American Geophysical Union Fall Meeting, San Francisco, California. 2012.

“Comments on Session 4 Rivers Plenary Keynote Presentation by Mukand Babel: Enhancing the Use of Science in Managing and Addressing Complex Issues in International River.” GEF International

- Waters Science Conference, Bangkok, Thailand. 2012.
- “Ecosystem Service Portfolios at Regional and Global Scales: Biogeophysics Meets Economics and Policy-making.” Briefing to PBL, Bilthoven, The Netherlands. 2012.
- “Five ‘Ah-Ha’ Moments from the Analysis of Global Water Systems.” Symposium of Wageningen University, Wageningen, The Netherlands. 2012.
- “Global Rivers, Global Threats.” Invited speaker, The Role of Industrial Ecology in Addressing Sustainability Imperatives, Gordon Research Conference, NSF, Les Diablerets, SWITZERLAND. June 2012.
- “Overcoming the Global Water Crisis: Assessment and Strategies. Invited speaker at University of Wisconsin, Madison, WI. May 2012.
- “Global Water Crisis? Yes ... Closer Than You Think.” Clean Water Act at 40: Facing the Future, Hudson River Environmental Society, Vassar College, Poughkeepsie, NY. May 2012.
- “Global Water Crisis: The Slippery Slope”. Spring Mather Lecture. University of Delaware. Newark, DE. May 2012.
- USARC 97th Meeting. Commissioner. Montreal, CANADA. April 2012.
- “Nature – Rivers in Crisis.” Harleman Lecturer 2012. Penn State University. University Park, PA. April, 2012.
- “Forecasting Water: The Future is Not What it Used to Be.” Oral presentation at session on Water: Integrated Assessment, Governance and Management in Changing Conditions at Global, Regional and Trans-boundary Levels, Planet Under Pressure 2012 Conference, DIVERSITAS, GWSP. London, United Kingdom. March 2012.
- Water: The Global Challenge of Our Future International Forum. Expert on Panel I: Water, Climate Change, and Conflict. UNESCO, UN-HABITAT, Center for Global Affairs at New York University, New York, NY. March 2012.
- African Rivers Conference. Security Implications of Sub-Saharan Africa’s Increasingly Stressed International. RAND Corporation. Guest Speaker. Arlington, VA. March 2012.
- Ecological Economics Classes. Co-taught with Klein, Y. Earth and Environmental Department at CUNY Graduate Center, New York, NY. Spring 2012.
- Mannahatta 2409 Concept: Design Charette, Wildlife Conservation Society. Participant. New York, NY. January 2012.
- “Joined at the Hip: Water Security for Humankind and Biodiversity.” Chief Convener and Chair, w/K. Vairavamoorthy, C. Raudsepp-Hearne, P. McIntyre, W. Cosgrove. National Council for Science and the Environment, Environmental & Security – 12th National Conference on Science, Policy and the Environment, Washington, DC. January 2012.
- “Global Hydrology: Local Problems Move to Global Syndromes.” w/ B. Fekete. 2011 CSDMS Meeting, Boulder, CO. October 2011.

- “Threats to Fresh Water: ...Global Lessons from Our Northeastern Corridor.” Water and Health Conference, University of North Carolina, Chapel Hill, NC. October 2011.
- “Strategic Forecasting of Freshwater Futures.” Workshop on Advanced Computational Methods in Engineering & Environmental Science, Earth System Science and Policy Community, College of Staten Island, NY. September 2011.
- “Global Change and Extreme Hydrology – Testing Conventional Wisdom.” COHS Report Briefing, National Research Council Committee on Hydrologic Science, Washington, DC. September 2011.
- “Impact of Climate Change and Variability on the Nation’s Water Quality and Ecosystem State,” w/ L.Poff, W. Wollheim, w/ B. Fekete, W. Clements, R. Stewart, and P. Green. EPA Program Review: Consequences of Global Climate Change: Water Quality Impacts, Ecological Impacts & Nonlinear Responses, Washington, DC. September 2011.
- “Nonlinear and Threshold Responses to Environmental Stressors in Land-river Networks at Regional to Continental Scales,” with J. Melillo, B. Peterson, D. Kicklighter, W. Wollheim, B. Fekete, B. Felzer, and P. Green. EPA Program Review: Consequences of Global Climate Change: Water Quality Impacts, Ecological Impacts & Nonlinear Responses, Washington, DC. September 2011.
- “Global Water Crisis? Yes ... and Closer than You Think.” Presidential Dream Course in Water, University of Oklahoma, Oklahoma, Norman, OK. September 2011.
- “Our Ice Dependent World.” U.S. Arctic Research Commission representative, The 6th Northern Research Forum, Hveragerði, ICELAND. September 2011.
- “A World of Water: ... Problems, Challenges, and Solutions.” Keynote Speaker, Macaulay Honors College Seminar, New York, NY. September 2011.
- “Global Water Resources: ... and Threats to Water Security for Humans and Biodiversity.” Invited Keynote. AEST/WIRADA Science Symposium, Melbourne, AUSTRALIA. August 2011.
- “Water for a Crowded Planet: Lessons from the U.S. Northeast Corridor.” Invited Keynote, Gordon Research Conference, Lewiston, ME. July 2011.
- IASSA VIIth Circumpolar Perspectives in Global Dialogue: Social Science Beyond the International Polar Year.” U.S. Arctic Research Commission representative, Akureyri, ICELAND. 27 June – 29 June 2011.
- “The Water-Energy Nexus: The Role of Global Change Science.” U.S. Army Corps of Engineers, Institute for Water Resources, Alexandria, VA. June 2011.
- “The Water-Energy Nexus: The Role of Global Change Science.” Earth System Science Partnership's (ESSP) Energy, Water and Carbon Meeting, Shepherdstown, WV. May 2011.
- “A Global Water Crisis? Yes ... and Closer Than You Think.” Invited Keynote, NABS 2011 Annual Meeting, Providence, RI. April 2011. (Invited keynote).
- “Water for a Crowded World: Lessons from the Northeast Corridor.” The Northeast Regional Consortium for Hydrologic Synthesis, Briefing to Brookhaven National Laboratory, Brookhaven, NY. May 2011.

- “A Global Water Crisis? Yes ... and Closer Than You Think.” Speaker NIH STEP Seminar, Bethesda, MD. April 2011.
- “Water for a Crowded Planet: Lesson from the Northeastern United States.” Earthweek 2011, Lecture at Lafayette College, Easton, PA. April 2011.
- “Education and Science in Response to National (& Global) Priority Needs: A Message to Students.” NOAA-CREST Day, CCNY, New York, NY. April 2011.
- “Water for a Crowded Planet: Lessons on Our Doorstep.” The Northeast Regional Consortium for Hydrologic Synthesis, CUNY (The City University of New York), Einsteins in the City, CCNY, New York, NY. April 2011.
- “Global Threats to Freshwater Ecosystems: What Does This Mean for Humans and for Nature?” CUNY (the City University of New York), 2011 Eco-Festival, Kingsborough College, New York, NY. April 2011.
- “Water for a Crowded World: Lessons from the Northeast Corridor.” The Northeast Regional Consortium for Hydrologic Synthesis, Columbia Water Center Spring Lecture Series, Columbia University, New York, NY. April 2011.
- “Thrust III: Global Water Resources: Using Science and Technology to Meet a Strategic Resource Challenge.” NOAA-CREST Annual Technical Meeting, New York, NY. March 2011.
- “Rivers in Transition: The Role of Human Actions & Frameworks for Simulation.” Office of Naval Research Briefing, Arlington, VA. February 2011.
- “Water Threats, Water Sector Investments: What Do These Mean for Humans and for Nature?” Environmental Indicators & Warnings 4th Analyst & Science Advisory Meeting, CUNY Scitor Corporation, Herndon, VA. January 2011.
- “Humans Transforming the Water Cycle: Implications for Society and Nature over a Multi-Century Timeframe through Synthesis Studies,” w/ C. Hermans, M. Green, C. Pastore, J. Arrigo, and A. Parolare. H51-I: Detecting and Predicting Change in Coupled Human-Water Systems-II, American Geophysical Union (AGU) Fall Meeting, San Francisco, CA. December 2010.
- “Global Analysis of Threats to Freshwater Ecosystems: What Does This Mean for Humans and the Nature?” w/ P. Green and B. Fekete. Seminar Presentation, Conservation International, Arlington, VA. November 2010.
- “Water Threats, Water Sector Investments: What Do These Mean for Humans and for Nature?” Briefing to World Bank, Washington, DC. November 2010.
- “Humans Transforming the Global Water Cycle: What Does This Mean for Us and for Nature?” CUNY (The City University of New York) Environmental Forum, New York, NY. November 2010.
- 2010 CUNY Environmental Sciences Forum. CUNY (The City University of New York) Environmental Forum, New York, NY. November 2010. Chief convener.

- “Humans Transforming the Global Water Cycle: What Does This Mean for Us and for Nature?” Press conference, CBD (U.N. Commission on Biodiversity) – COP (Conference of the Parties) 10, Nagoya, JAPAN. October, 2010.
- “Global Analysis of Threats to Freshwater Ecosystems: What Does This Mean for Humans and the Nature?” Wetlands, Water, Livelihoods & Biodiversity Linkages in a Global Water Crisis, CBD (U.N. Commission on Biodiversity) – COP (Conference of the Parties) 10 Side Event, Nagoya, JAPAN. October, 2010.
- “Deltas in Crisis: The Role of Human Actions over the Continental Landmass,” w/ C. Paola. DELTAS 2010: World Delta Dialogues, New Orleans, LA. October 2010.
- “The Water-Energy Nexus: The Role of Global Change Science,” w/ B. Fekete, P. Green, E.F. Wood. Water and Energy in Changing Climates: Research, Applied Science & Other Initiatives, Pittsburg, PA. September 2010.
- “Water for a Crowded World: Lessons from the Northeast Corridor.” The Northeast Regional Consortium for Hydrologic Synthesis, Physical Science Seminar, Yorktown Heights, NY. September 2010.
- “The CUNY Environmental CrossRoads Initiative: From Technology Outputs to Applications.” Briefing to UNEP-DHI Centre for Water and Environment, Copenhagen, DENMARK. September 2010.
- “Global Analysis of Threats to Freshwater Ecosystems: What Does This Mean for Humans and for Nature?” International Year of Biodiversity Seminar, World Water Week, Stockholm, SWEDEN. September 2010.
- “Workshop on Water Environment Classes.” UCSB, Bren School of Environmental Science & Management, Santa Barbara, CA. July 2010. Hydrosynthesis representative,
- “CUAHSI Synthesis Town Hall.” Convener, CUAHSI Biennial Meeting, Boulder, CO. July 2010.
- “A Forward Look at the Hydrologic Sciences,” w/ S. Parker, L. Helsabeck. Briefing to the President’s Office of Science and Technology Policy (OSTP), National Research Council, Washington, DC. June 2010.
- “The Use of Multi-source Information Inputs to Assess Drought Severity and Impacts through Indicators.” GEO-DRI Drought Monitoring Workshop, Winnipeg, CANADA. May 2010.
- “Global Water Resources: Vulnerability from Climate Change and Population Growth... and then Some.” University of North Caroline, Chapel Hill, NC. April 2010.
- “The CUNY Environmental CrossRoads Initiative.” Briefing to US Department of Energy. New York, NY. March 2010.
- “State of the Arctic Conference.” U.S. Arctic Research Commission representative. Miami, Fl. March 2010.
- “The World’s Fresh Water: Avoiding the Slippery Slope.” Keynote talk. The City College of New York's President's Lunch, New York, NY. March 2010.

- “Water for a Crowded World: Lessons from the Northeast Corridor.” The Northeast Regional Consortium for Hydrologic Synthesis, Water & Climate Spring Lecture Series, Princeton, NJ. March 2010.
- “Overview of Water Links with Ecosystems and Biodiversity Including GEOBON.” IGWCO Planning Meeting, New York, NY. February 2010.
- “Earth System Science Partnership and the GWSP.” IGWCO Planning Meeting, New York, NY. February 2010.
- “Global Water Cycle Indicators,” w/ B. Fekete, T. Lakhankar. WMO-Global Terrestrial Network for Hydrology (GTN-H) Water Resources Assessment and Applications, CCNY (City College of New York), New York, NY. February 2010.
- “A Global Geography of Rivers in Crisis: Human and Biodiversity Perspectives.” GWSP-DIVERSITAS, Workshop on Water Resources Assessment and Applications, CCNY (City College of New York), New York, NY. February 2010.
- “The Science of Global Hydrology: Lessons from the U.S. Northeast Corridor,” w/ C. Hermans, C. Pastore. The Northeast Regional Consortium for Hydrologic Synthesis, American Historical Association Annual Meeting, San Diego, CA. January 2010.
- “Global Change and Extreme Hydrology: Testing Conventional Wisdom.” Co-convener, National Research Council’s Committee on Hydrologic Science, Washington, DC. January 2010.
- “Humans Transforming the Water Cycle and the 500-Year Challenge,” w/ M. Green, and C. Hermans. San Francisco, CA. December 2009.
- “Synthesizing International Understanding of Changes in the Arctic Hydrological System,” w/ J. Pundsack, L. Hinzman. American Geophysical Union (AGU) 2009 Fall Meeting, Understanding and Responding to Pan-Arctic Environmental Change, San Francisco, CA. December 2009.
- “A Forward Look at the Hydrologic Sciences.” Co-presenter w/ G. Hornberger. American Geophysical Union, (AGU) Town Hall Meeting, National Research Council, San Francisco, CA. December 2009.
- “Global Water Resources: Using Science and Technology to Meet a Strategic Resource Challenge.” CREST-NESDIS Annual Technical Meeting, Silver Spring, DC. December 2009.
- Arctic Observing Network (AON) Design and Implementation Task Force Workshop. Participant. Boulder, CO. December 2009.
- “Hydrologic Evolution of the Northeast Region Developing Hydrologic Metrics,” w/ C. Hermans, C. Pastore. The Northeast Regional Consortium for Hydrologic Synthesis, CUAHSI (Consortium of Universities for the Advancement of Hydrologic Science) Cyber-Seminar, originating from, New York, NY. November 2009.
- “Quantifying Historical Legacies: Challenges of Synthesis Research,” w/ M. Green. The Northeast Regional Consortium for Hydrologic Synthesis, CUAHSI (Consortium of Universities for the Advancement of Hydrologic Science) Cyber-Seminar, originating from New York, NY. October 2009.
- “Humans Transforming the Global Water System: What Does This Mean for Nature?” DIVERSITAS Open Science Conference-II, Cape Town, SOUTH AFRICA. October 2009.

“Synthesizing International Understanding of Challenges in the Arctic Hydrological System Workshop,” Co-Convener, w/ L. Hinzman and J. Pundsack. Royal Swedish Academy of Sciences, Stockholm, SWEDEN. 30 September to 2 October 2009.

“Hydrology and the 500-Year Challenge: Pilot Synthesis Studies on an Evolving Human-water System.” The Northeast Regional Consortium for Hydrologic Synthesis, Griffith University, Australia Rivers Institute, Brisbane, AUSTRALIA. September 2009.

“Water-linked Threats to Humans and Biodiversity: RiverSymposium Themes on the World Stage.” RiverSymposium Plenary, Brisbane, AUSTRALIA. September 2009.

Caribbean Environmental Science and Technology Enterprise, Carib-EST: The Initiative and Early Product. Second Planning Meeting of Chief Partners, Convener and colleagues, CCNY (The City College of New York), CUNY (City University of New York), CUNY Environmental CrossRoads Initiative and Civil Engineering Department. Santo Domingo, DOMINIC REPUBLIC. September 2009.

Caribbean Environmental Science and Technology Enterprise, Carib-EST: The Initiative and Early Products. Initial Planning Meeting of Chief Partners, w/ L. Colón, CCNY (The City College of New York), CUNY (City University of New York), CUNY Environmental CrossRoads Initiative and Civil Engineering Department. Santo Domingo, DOMINIC REPUBLIC. August 2009.

“Hydrology and the 500-Year Challenge: Pilot Synthesis Studies on an Evolving Human-water System.” The Northeast Regional Consortium for Hydrologic Synthesis, NFS Reverse Site Visit, Washington, DC. August 2009.

“Operational Tracking of the State of Global Water Resources,” w/ A. Muñoz-Hernandez. GTN-H Workshop on Program, Research, and Applications Opportunities, CCNY (The City College of New York)/ CUNY (City University of New York). New York, NY. July 2009.

“The ARCSS FreshWater Integration Study: A Synthesis of Changes in the Arctic Hydrologic System”, w/ L. Hinzman, J. Pundsack. US Arctic Research Commission (USARC) and Water Science and Technology Board (WSTB) of the U.S. National Research Council briefing. Washington, DC. June 2009.

The Gulf of Maine Science Priorities Workshop, NEC (New England Center) at The University of New Hampshire, Durham, NH. June 2009. Participant.

“Hydrology and the 500-Year Challenge: Pilot Synthesis Studies on an Evolving Human-water System.” The Northeast Regional Consortium for Hydrologic Synthesis, Northeastern Agricultural and Resource Economics Association (NAREA) Impromptu Brainstorming Session, Burlington, VT. June 2009.

“Global Water Issues: A Challenge for Earth System Science and Technology,” Short Course at ICTP (International Centre for Theoretical Physics) Trieste, ITALY. May 2009.

“Activities and Opportunities in Support of ENESCO IHP: A Focus on Indicators,” w/ A. Muñoz-Hernandez, T. Lahankar, B. Fekete. U.S. National Committee for UNESCO IHP Keck Center, Washington, DC. May 2009.

- “Global Climate and Environment: Challenges and Issues.” Briefing to New York State Legislators, CUNY - Environment CrossRoads Initiative, Albany, NY. April 2009.
- "Water in the Line of Fire: Origins and Solutions to the Global Water Crisis," Bruce Podwal Seminar Series, Department of Civil Engineering, The City College of New York, New York, NY. March 2009.
- “Water: The Slippery Slope.” Serving Science Café, CUNY (City University of New York). New York, NY. March 2009.
- “21st Century Water: Friend or Foe?” Workshop co-presenter convener and speaker at the American Association for the Advancement of Science 2009 Annual Meeting, Chicago, IL. February 2009. (Invited).
- “Landscape Characterization and Mapping: Perspectives, Musings from the World of Freshwater Systems.” Briefing to EPA Landscape Ecology Branch, Las Vegas, NV. February 2009.
- “Evolution of hydro-systems: The 500-year challenge.” Oral presentation, American Geophysical Union (AGU) Fall Meeting, San Francisco, CA. December 2008. (Invited).
- “Landscape Characterization and Mapping.” Expert Panelist, EPA Ecological Services Science Meeting, Portland, OR. August 2008. (Invited).
- “Hydrologic System Evolution and the Human Role.” Oral presentation, CUAHESI Science Meeting, Boulder, CO. July 2008. (Invited).
- “Humans Transforming the Water Cycle: Community-Based Activities in Hydrological Science.” Moderator, Summer Institute at MIT, June-July 2008.
- “The State of the Global Water System: Moving toward an operational view of world water resources.” Oral presentation, American Geophysical Union Spring Meeting, Fort Lauderdale, FL. May 2008.
- “Water for a Crowded Nation: Lessons from the Northeast Corridor.” Plenary Address, National Water Quality Monitoring Conference, Atlantic City, NJ. May 2008. (Invited).
- “Overview of LCLUC Interactions in Arctic Hydrology with Emphasis on Land Use.” Oral presentation, Land-Change Land-Use Science Team Meeting, NASA Carbon Cycle Meeting, Adelphi, MD. April 2008.
- “Earth System Data Collaborative Web Support for Water and Carbon Cycle Studies.” Workshop Moderator, NASA Carbon Cycle Meeting, Adelphi, MD. April 2008.
- “Modeling Challenges/Forecasting Impacts.” Session Co-Chair, NASA Carbon Cycle Meeting, Adelphi, MD. April 2008.
- “The Climate Machine.” Expert Panelist, Aspen Environmental Forum, Aspen, CO. March 2008. (Invited).
- “Circle of Blue.” Expert Panelist, Aspen Environmental Forum, Aspen, CO. March 2008. (Invited).

- “The Science of Global Hydrology: Lessons from the U.S. Northeast Corridor.” Oral presentation, Bulletin of Atomic Scientists, Chicago, IL. March 2008. (Invited).
- “The Science of Global Hydrology: Lessons from the U.S. Northeast Corridor.” Oral presentation at the US Department of Agriculture National Water Conference, Reno, NV. February 2008. (Invited).
- “Climate Change and Hydrological Extremes,” Oral presentation at the Iceland Water Institute, Reykjavik, Iceland. December 2007. (Invited).
- “Humans Transforming the Global Water System.” Oral presentation, American Geophysical Union Fall Meeting, San Francisco, CA. December 2007.
- “U.S. Contributions to Understanding Major Transformations of the Global Water System.” Oral presentation, American Geophysical Union Fall Meeting, San Francisco, CA. December 2007. (Invited).
- “The Science of Global Hydrology: Lessons from the U.S. Northeast Corridor.” Oral presentation at the University of Florida Water Institute, Gainesville, FL. December 2007. (Invited).
- “Issues of Sustainability,” Oral presentation at the Gates Foundation, Agricultural Water Management Strategy Meeting, Seattle, WA. November 2007.
- “The Science of Global Hydrology: Lessons from the U.S. Northeast Corridor.” Oral presentation at University of Massachusetts, Amherst, MA. November 2007. (Invited).
- “Learning from other terrestrial hydrological monitoring programmes,” Convener. IGWCO-UNESCO Groundwater Workshop, Utrecht, The Netherlands. October 2007. (Invited).
- “The Science of Global Hydrology: Lessons from the U.S. Northeast Corridor.” Oral presentation at McGill University, Montreal, Quebec, CANADA. October 2007. (Invited).
- “Climate Change and Hydrological Extremes: Flooding,” Keynote presentation at the Third International Conference on Climate and Water. Marina Conference Center, Helsinki, Finland. September 2007. (Invited keynote).
- “Major Transformations of the Global Water Cycle: A Challenge to Earth System Science and Technology.” Oral presentation at the Third International Symposium on Riverine Landscapes. Griffiths University, Brisbane AUSTRALIA. September 2007. (Invited keynote).
- “The Science of Global Hydrology: Lessons from the U.S. Northeast Corridor.” Oral presentation at Cornell University, Department of Civil Engineering. Ithaca, NEW YORK. September 2007. (Invited).
- “Global Hydrology: Lessons from the U.S. Northeast Corridor.” Oral presentation for the Fall Environmental Lecture Series at the University of Massachusetts, Amherst, MA. September 2007. (Invited).
- “Earth System Science Perspectives for Improved Water Management: A Prototype System-of-Systems.” Oral presentation in IAHS Symposium HS2004: Quantification and Reduction of Predictive Uncertainty for Sustainable Water Resources Management. International Union of Geodesy and Geophysics (IUGG), Perugia, ITALY. July 2007.

- “Future Impacts of Fresh Water Resource Management: Sensitivity of Coastal Deltas.” Oral presentation in IAHS Symposium HS2005: Water Quality and Sediment Behavior of the Future: Predictions for the 21st Century. International Union of Geodesy and Geophysics (IUGG), Perugia, ITALY. July 2007.
- “The UNH Earth Systems Observatory and the White Water-to-Blue Water Analysis of Regional Ecosystem State,” w/B. Braswell, B. Fekete, A. Magill, S. Glidden, and H. Hartmann. Oral presentation in IAHS Symposium HW2006: New Avenues for Contemporary Water Resources Management. International Union of Geodesy and Geophysics (IUGG), Perugia, ITALY. July 2007.
- “Geospatial Indicators to Support Water Resource and Water Security Assessments,” w/ E.M. Douglas. Oral presentation in IAHS Symposium HS3006: Changes in Water Resources Systems – Methodologies to Maintain Water Security and Ensure Integrated management, International Union of Geodesy and Geophysics (IUGG), Perugia, ITALY. July 2007.
- “Water for a Crowded Planet: An Emerging Global Challenge for Earth System Science and Technology.” Invited keynote presentation at the 50th Anniversary Celebration of UNESCO's Institute for Water Education (UNESCO-IHE), Water for a Changing World Symposium, Delft, THE NETHERLANDS. June 2007.
- National Science Foundation Arctic System Science Research Program (NSF-ARCSS), Freshwater Integration Study All-Hands Meeting, Co-Convener, w/ L. Hinzman. Bodega Bay, California. June 2007.
- “Water in the Northeast Corridor: Symbol of Global Hydrologic Change.” Invited presentation at the US Geological Survey, Northborough, Massachusetts. May 2007.
- “Synthesis of Documented Changes in Fresh Water.” Oral presentation at the Arctic Research Consortium of the United States (ARCUS) Arctic Forum, Washington, DC. May 2007.
- “Deltas at Risk,” a joint Global Water System Project (GWSP) and Land to Ocean Interactions in the Coastal Zone (LOICZ) Planning Meeting. Co-organizer, host, and keynote address, University of New Hampshire, Durham, NH. May 2007.
- “Third GWSP Workshop on Global Dams and Reservoirs,” sponsored by the Global Water System Project (GWSP). Co-organizer and host, University of New Hampshire, Durham, NH. May 2007.
- “Continental and Regional Scale Scenarios of Water Availability and Quality.” Strategic briefing to the Subcommittee for Water Availability and Quality (SWAQ) of the Committee for Environment and Natural Resources (CENR), Office of Science and Technology Policy (OSTP), Washington, DC. May 2007.
- “The Global Water System Project: An Overview of Activities,” remote, live presentation. NASA Northern Eurasia Earth Science Partnership Initiative (NEESPI) Meeting, Helsinki, Finland. May 2007.
- “Analyzing Human-Water Interactions: From local Scale Impacts to Syndromes to System-Level Feedbacks.” Keynote presentation in joint session, Uncertainty and Models in Policy Processes for Water Management, TIAS-GWSP Global Assessment Workshop, Washington, DC. May 2007.

- “The Role of Land Use in Integrated Water Management.” Session 3 Chair in joint session, Global Assessments: Bridging Scales and Linking to Policy, TIAS-GWSP Global Assessment Workshop, Washington, DC. May 2007.
- “The Water and Nutrient Flow Perspective.” Oral presentation in Session 7, Representation of the Human Dimension in Global Water Assessments, TIAS-GWSP Global Assessment Workshop, Washington, DC. May 2007.
- “Increasing the Potential of Science and Technology to Solve the World’s Water Problems,” Expert Panel Member, briefing the Committee on Science, Engineering, and Public Policy, The National Academies, Washington, DC. May 2007.
- “The UNH Earth System Data Collaborative.” Oral presentation to NOAA’s Integrated Ocean Observing System (IOOS), Silver Spring, MD. May 2007.
- "Arctic System Synthesis Workshop: New Perspectives through Data Discovery and Modeling," chief co-convenor on behalf of the NSF Arctic System Science Program, Seattle, WA. April 2007.
- “Water for a Crowded Planet.” Oral presentation to the NASA Applications Program, NASA Headquarters, Washington, DC. April 2007.
- “Ecohydrology Indicators and Mapping Workshop.” Co-organizer and host, University of New Hampshire, Durham, NH. April 2007.
- "Climate-Security Connections: An Empirical Approach to Risk Assessment." w/ M. Levy, N.-P. Gleditsch. Oral presentation to the Environmental Change and Security Program, Woodrow Wilson International Center for Scholars, Washington, DC. March 2007.
- “Advances in the GWSP and their implications for IGWCO.” Oral presentation, Third Integrated Global Water Cycle Observations (IGWCO) Planning Meeting, Washington, DC. March 2007.
- “Utilizing Global Earth Observing Systems to Improve Water Resource and Ecosystem Forecasting Capabilities.” Invited keynote presentation, National Weather Service Annual Meeting, San Antonio, TX. January 2007.
- “Humans Transforming the Water Cycle: Community-Based Activities in Hydrologic Synthesis.” Oral presentation to the Governing Board of the Consortium of Universities for the Advancement of Hydrologic Science (CUAHSI), Washington, DC. January 2007.
- ARCUS Press Conference, enlisted expert, American Geophysical Union (AGU) Fall Meeting, San Francisco, California. December 2006.
- “Northern Eurasia Earth Science Partnership Initiative (NEESPI): Integrated Approach to Regional Climate and Environment Change Studies I.” Convener, Global Environmental Change, Session GC07, American Geophysical Union (AGU) Fall Meeting, San Francisco, California. December 2006.
- “Use of Scenarios to Decipher Key Determinants of Change in the Water Cycle”, w/ R. Lammers, A. Shiklomanov, X. Xiao, M. Rawlins, W. Wollheim, G. Hurtt, L. Smith, D. Wisser, and B. Fekete. Oral presentation in Session H37: Scenario Planning for Water Resources Management. American Geophysical Union (AGU) Fall Meeting, San Francisco, California. December 2006.

- “The UNH Earth Systems Observatory: A Regional Application in Support of GEOSS Global-Scale Objectives,” w/B. Braswell, B. Fekete, S. Glidden, H. Hartmann, A. Magill, A. Prusevitch, W. Wollheim, D. Blaha, D. Justice, G. Hurtt, J. Jacobs, S. Ollinger, W. McDowell, B. Rock, F. Rubin, and A. Schloss.” Poster presentation in Session IN14: Exemplifying eGY Principles: eGY Showcase Projects. American Geophysical Union (AGU) Fall Meeting, San Francisco, California. December 2006.
- “How can Earth System and Socio-economic Information be used to Better Understand and Manage the Local and Remote Effects Controls on Regional Water Resources?” Co-convener, Global Environmental Change: Regional Challenges, Earth System Science Partnership (ESSP) Global Environmental Change Open Science Conference, Beijing, CHINA. November 2006.
- “Insights from the Earth System Sciences for improved Water Management.” Oral presentation, Earth System Science Partnership (ESSP) Global Environmental Change Open Science Conference, Beijing, CHINA. November 2006.
- “The African Water System as a Constraint on the African Food System.” Oral presentation, Earth System Science Partnership (ESSP) Global Environmental Change Open Science Conference, Beijing, CHINA. November 2006.
- “Synthesis Studies to Improve Understanding of the State and Degree of Change in the Pan-Arctic Water System.” Poster presentation, Earth System Science Partnership (ESSP) Global Environmental Change Open Science Conference, Beijing, CHINA. November 2006.
- “Delta Systems at Risk: Articulating the Role of Freshwater Resource Management.” Poster presentation, Earth System Science Partnership (ESSP) Global Environmental Change Open Science Conference, Beijing, CHINA. November 2006.
- “Linkages to Water System Studies.” Presentation at the Northern Eurasia Earth Science Partnership Initiative (NEESPI) Workshop of the Regional Focus Research Center on Dry Land Processes Studies, Beijing, CHINA. November 2006.
- Chief Facilitator, NOAA Coastal Response Research Center’s Fall Institute: Innovative Coastal Modeling for Decision Support: Integrating Physical, Biological and Toxicological Models. Durham, NH. September 2006.
- “NRC Decadal Study.” Oral presentation at the SocioEconomic Data and Applications Center (SEDAC) User Working Group Meeting, New York, NY. August 2006.
- “Global Water Crisis.” Invited keynote presentation, Summer Institute, IAEA and Institute of Nuclear Science and Engineering, World Nuclear University (WNU), Stockholm, SWEDEN. July 2006.
- “The Global Water System Project: Its Agenda for Integrative Water Studies.” Invited keynote presentation. Conference on Hydrological Sciences for Managing Water Resources in the Asian Developing World. Guangzhou, CHINA. June 2006.
- 2nd GWSP-Asia Regional Global Water System Project Workshop. Co-organizer and facilitator. Guangzhou, CHINA. June 2006.
- International Commission on Large Dams (ICOLD). Briefings to three ICOLD Technical Committees on collaborative GWSP activities. Barcelona, SPAIN. June 2006.

"UNH Water Systems Analysis Group: A Portfolio of Recent Activities." Overview briefing for The Netherlands Environmental Assessment Agency. Bilthoven, THE NETHERLANDS. June 2006.

National Science Foundation Arctic System Science Research Program (NSF-ARCSS), Freshwater Initiative All-Hands Meeting, Co-Convener, w/ L. Hinzman. Estes Park, Colorado. June 2006.

Congressional Science Briefing on Systematic Arctic Environmental Change, Thresholds, Feedbacks, with M. Sturm, M. Serrze, and J. Schimel. Dirksen Senate Office Building, Washington DC. May 2006.

"Humans and Their 21st Century Hydrosphere: A Global Perspective." Invited presentation. Robbins Memorial Symposium, Phillips Exeter Academy, Exeter, New Hampshire. April 2006.

"Report from Data Modeling Working Group." Arctic System Science AC Meeting, Seattle, Washington. March 2006.

"Integrating climate change into changing water needs/management." Invited presentation, Research and Education Needs for Water Management Workshop, National Academy of Sciences, Washington, DC. March 2006.

Global Water System Project/Nature Conservancy Global Dam and Reservoir Workshop. Chief organizer and facilitator. Washington, DC. March 2006.

"Scope of Water Management Problems: Global Perspectives on Emerging Research & Educational Needs." Invited presentation to the Conference on Research & Education Needs for Water Management. National Academies of Sciences and Engineering, Keck Center, Washington DC. March 2006.

e-Town Meeting: "Data and Modeling Strategies." Oral presentation w/ J. Francis, M. Holland, J. Overpeck, M. Serreze, and J. Weatherly. ARCUS, Fairbanks, Alaska. March 2006.

"The Global Water System Project." Briefing to the Joint Steering Committee of the WCRP and IGBP. Pune, India. March 2006.

"Linkages to GWSP." Oral presentation. IGWCO-CEOP Joint Workshop. UNESCO, Paris. February 2006.

"Water Resource Variability and the Origin of Internal Conflict." Invited oral presentation w/ M. Levy, C. Thorkelson, E.M. Douglas, and M. Humphreys. Special Session: Science and the End to Poverty. AAAS Annual Meeting, St. Louis. February 2006.

"Integrating and Synthesizing Climate Research Activities: Lessons from the NSF FreshWater Integration (FWI) Study." S.T. Lee Lecture in Arctic Studies (Invited), University of Alaska, Fairbanks. February 2006.

"NEESPI-GWSP Links." Oral presentation. Northern Eurasian Earth System Partnership Initiative. Laxenburg, Austria. February 2006.

"Global Water System Project: Liaison Activities with GEWEX." GEWEX Science Steering Committee Meeting. Dakar, SENEGAL. January 2006.

U.S. Interagency Briefing on Arctic-HYDRA: International Pan-Arctic Water Cycle Study for the International Polar Year (IPY), 2007-08. Chief organizer w/ Á. Snorrason (Iceland). US National Academy of Sciences, Keck Center. Washington, DC. January 2006.

“News Flash: Humans Transforming the Global Water Cycle.” Invited presentation to the NASA Socioeconomic Data and Applications Center (SEDAC) User Working Group Meeting, New York, New York. December 2005.

“The Mississippi Delta in the Light of Hurricane Katrina.” Oral presentation w/J. Syvitski, AGU Fall Meeting, San Francisco, California. December 2005.

“Analysis of Variability in Spring Maximum Discharge across Arctic Drainage basin of Eurasia.” Poster presentation w/A. Shiklomanov, AGU Fall Meeting, San Francisco, California. December 2005.

“Changes in Moisture and Energy Fluxes due to Groundwater-based Irrigation in the Indian Monsoon Belt.” Poster presentation w/E. Douglas, AGU Fall Meeting, San Francisco, California. December 2005.

“Water System Studies.” Presentation to the International Geosphere-Biosphere Programme (IGBP) at the NASA Northern Eurasian Earth Science Partnership Initiative (NEESPI) Meeting. San Francisco, California. December 2005.

NSF Arctic CHAMP Science Steering Committee Meeting, Co-Convener (w/Larry Hinzman). AGU Fall Meeting, San Francisco, California. December 2005.

International Polar Year-HYDRA and Second International Conference on Arctic Research Planning (ICARP II) Meetings, Breakout Group participant. Copenhagen, Denmark. November 2005.

Global Risk Programme Workshop, Expert Panelist on the Environment. Sponsored by the World Economic Forum, Swiss Re, Merrill-Lynch, and Marsh and McLennan Companies, New York, New York. November 2005.

Pilot Environmental Performance Index (EPI) Expert Workshop, Panelist. New Haven, Connecticut. October 2005.

“Infrastructure and Support for Funded Programs: Freshwater.” ARCSS Committee Meeting, Arlington, Virginia. October 2005.

“The U.S. Global Water Science Working Group.” National Science Foundation, National Center for Hydrological Synthesis Reverse Site Visit, Washington, DC. September 2005.

“GWSP: Its science agenda and support to water management.” NASA Energy and Water Study (NEWS) Kick-Off Meeting, Goddard Institute for Space Studies, New York, New York. September 2005.

International Association of Hydrologic Research (IARC), Permafrost Hydrology Workshop, Co-convener w/L. Hinzman. Fairbanks, Alaska. August 2005.

- “Emerging Changes in the Hydrosphere: Climate and Other Parts of a Global Puzzle.” Invited keynote presentation, International Association of Meteorology and Atmospheric Sciences (IAMAS) Scientific Assembly, Beijing CHINA. August 2005.
- “Hydrological Process and Water Security Related to Climate Change and Human Activity.” Chair, Afternoon Session in the joint symposium with IAHS, IAMAS, and ICCL, International Association of Meteorology and Atmospheric Sciences (IAMAS) Scientific Assembly, Beijing CHINA. August 2005.
- “Present Advances of GWSP and Its Links to the Chinese Case Study.” Invited presentation, Working Meeting for Chinese National Committee of the GWSP, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing CHINA. August 2005.
- “Regional Modeling to Support the National Environmental Observing Network (NEON).” Perspectives offered to the NEON Modeling Workshop, Woods Hole, Massachusetts. July 2005.
- “Global Water Crisis.” Invited keynote presentation, Summer Institute, IAEA and Institute of Nuclear Science and Engineering, World Nuclear University (WNU), Idaho Falls, Idaho. July 2005.
- “GWSP: Its Science Agenda and Support to Water Management.” Invited presentation, Fifth International Scientific Conference on the Global Energy and Water Cycle (GEWEX), Costa Mesa, California. June 2005.
- “Predictions for Water Management.” Theme 2 Chair, Fifth International Scientific Conference on the Global Energy and Water Cycle (GEWEX), Costa Mesa, California. June 2005.
- National Science Foundation Arctic System Science Research Program (NSF-ARCSS), Freshwater Initiative All-Hands Meeting, Co-Convener, w/ L. Hinzman. Seattle, Washington. June 2005.
- “Evolution of NSF-ARCSS and its Synthesis Strategy.” Freshwater Initiative All-Hands Meeting, NSF Arctic System Science Research Program. Seattle, Washington. June 2005.
- “Water Resource Issues,” Global Water System Project Indicators Meeting. Wallingford, UK. May 2005.
- “Hydrological Modeling.” Invited presentation. Summer School on Environmental Modeling of Amazonia, Rio de Janeiro BRAZIL. April 2005.
- “GWSP: Contributions toward Hydrology 2020 (poster).” International Association of Hydrological Sciences (IAHS) Scientific Assembly, Foz do Iguacu BRAZIL. April 2005.
- “Feasibility of Surface Water Monitoring using Satellite Sensors.” International Association of Hydrological Sciences (IAHS) Scientific Assembly, Foz do Iguacu BRAZIL. April 2005.
- “Role of River Networks in Processing Anthropogenic Nitrogen Loads.” International Association of Hydrological Sciences (IAHS) Scientific Assembly, Foz do Iguacu BRAZIL. April 2005.
- “Water Indicators.” Millennium Challenge Account Meeting, Columbia University, Palisades, New York. April 2005.
- “News Flash: Humans transforming the Global Water System.” Invited Seminar, Geophysical Fluid Dynamics Laboratory, Princeton, NJ. March 2005.

- “Data Needs of the GWSP and GWSP Report.” Coordinated Enhanced Observing Period (CEOP) and Integrated Global Water Cycle Observations (IGWCO) Joint Meeting, Tokyo JAPAN. February-March 2005.
- “GWSP: A new Earth System Science partnership project,” w/J. Alcamo. International Conference on Integrated Assessment of Water Resources and Global Change: A North-South Analysis, Bonn GERMANY. February 2005.
- “Water resource analysis: Emerging data challenges and opportunities.” International Conference on Integrated Assessment of Water Resources and Global Change: A North-South Analysis, Bonn GERMANY. February 2005.
- “Land-to-ocean linkage in the Eurasian hydrological system”, w/ R. Lammers. AGU Fall Meeting, San Francisco, California. December 2004.
- “NSF-ARCSS Freshwater Initiative (FWI): Synthesis as coordination of thought to discover emergent system properties”, w/ L. Hinzman, J. Pundsack. AGU Fall Meeting, San Francisco, California. December 2004.
- “Climate and Climate Variability as Input to Surface Dynamic Models”, w/J. Syvitski presenting. AGU Fall Meeting, San Francisco, California. December 2004.
- “Potential and feasibility of operating satellite sensor systems dedicated to monitoring inland water bodies,” w/B. Fekete presenting. AGU Fall Meeting, San Francisco CA. December 2004.
- “State of knowledge: Impact of sea level rise”. NSF-ARCSS Arctic Synthesis Retreat. Lake Tahoe, California. August 2004.
- “Emerging Features of Water Scarcity: A River Networking Perspective (Invited)”, in “Cascading and Effective Water Use in Catchment Systems”. Stockholm International Water Institute, Water Week Symposium. Stockholm, Sweden. August 2004.
- “The Global Future of Freshwater.” Invited presentation, Metcalf Institute, Graduate School of Oceanography at the University of Rhode Island. Narragansett, Rhode Island. Jun 2004.
- “The Global Water System Project: Integrative Studies of the Water Cycle (Invited)”, w/D. Lettenmaier, R. Naiman, and R. Lawford. AGU Spring Meeting, Montreal CANADA. May 2004.
- “Hydroclimatology of the 2001 Lena River flood: Analysis and geophysical data framework for pan-Arctic environmental studies”, w/ M.A. Rawlins, A.I. Shiklomanov, R. B. Lammers, S. Frolking, M. Serreze, K. McDonald. AGU Spring Meeting, Montreal CANADA. May 2004.
- “NSF-ARCSS Freshwater Initiative (FWI): Key Issues for Synthesis of the Arctic Hydrologic Cycle”, w/ L. Hinzman, J. Pundsack. AGU Spring Meeting, Montreal CANADA. May 2004.
- “Estimates of River Discharge to the Arctic Ocean and Northern Seas”, w/R. Lammers (presenting), A.I. Shiklomanov, and B.M. Fekete. AGU Spring Meeting, Montreal CANADA. May 2004.

- “Modeling the Error of Estimated River Discharge in the Eurasian Pan-Arctic”, w/A.I. Shiklomanov (presenting), R. Lammers, and T. Yakovleva. AGU Spring Meeting, Montreal CANADA. May 2004.
- “Nitrogen Removal by the River Network of the 400 km Ipswich River Watershed, MA, USA”, w/W.M. Wollheim (presenting), B.A. Pellerin, and C.S. Hopkinson. AGU Spring Meeting, Montreal CANADA. May 2004.
- “Quantifying New Water Contributions to Stormflow in an Urban Watershed Using Electrical Conductivity and Isotopic Tracers”, w/B.A. Pellerin (presenting), W.M. Wollheim, X. Feng, and A.M. Faiia. AGU Spring Meeting, Montreal CANADA. May 2004.
- “Remote Sensing of Pan-Arctic Snowpack Thaw using the SeaWinds Scatterometer”, w/M.A. Rawlins (presenting), K.C. McDonald, S. Frolking, R.B. Lammers, M. Fahnestock, and J.S. Kimball. AGU Spring Meeting. Montreal CANADA. May 2004.
- NSF Arctic System Science Research Program, Freshwater Initiative All-Hands Meeting, Co-Convener, w/ L. Hinzman. Woods Hole, Massachusetts. May 2004.
- “Introduction and synthesis strategies”, NSF Arctic System Science Research Program, Freshwater Initiative All-Hands Meeting. Woods Hole, Massachusetts. May 2004.
- “The STN30-6.0 River Routing Model, and Global Dams Databases.” Global NEWS Workshop. Paris, France. May 2004.
- “Global Change, the Terrestrial Water Cycle and our Search for Mauna Loa.” University of Washington Aquatic and Fishery Sciences Seminar Series. Seattle, Washington, USA. May 2004.
- “Global Water System Project.” Keynote address of the National Association of Geographers India Annual Meeting. Delhi, India. January 2004.
- “Global Water System Project.” Co-convener of the Global Water System Project Open Science Conference. Portsmouth, New Hampshire, USA. October 2003.
- “The freshwater cycle and its role in the pan-Arctic system.” Keynote address of the Arctic Research Consortium of the United States Open Science Conference. Seattle, Washington. October 2003.
- “Potential factors contributing to long-term increases in discharge from large Eurasian drainage basins: A preliminary analysis.” Arctic Research Consortium of the United States Open Science Conference. Seattle, Washington. October 2003.
- “Anthropogenic disturbance of the terrestrial water system: A search for Mauna Loa.” Estuarine Research Federation conference Estuaries on the Edge. Seattle, Washington. September 2003.
- “The growing influence of humans on the global terrestrial water cycle.” French Academy of Sciences Water Symposium. Paris, France. September 2003.
- “A ‘wiring diagram’ approach to synthesis”. NSF-ARCSS Arctic Synthesis Retreat, Big Sky, Montana. August 2003.
- “Arctic-CHAMP: The NSF pan-Arctic community-wide hydrological analysis and monitoring program.” IUGG 2003 Meeting. Sapporo JAPAN. July 2003.

- “Reservoir interception of global sediment flux to the coastal zone.” IUGG 2003 Meeting. Sapporo, Japan. July 2003.
- “Anthropogenic change and the water cycle: Mauna Loa.” IUGG 2003 Meeting. Sapporo, Japan. July 2003.
- “Global Change, the Terrestrial Water Cycle and our Search for Mauna Loa.” Ohio State University Seminar Series. Columbus, Ohio, USA. May 2003.
- “Continental-scale assessment of water stress in arid and semi-arid basins across Africa,” w/E.M. Douglas, P.A. Green, and C. Revenga. Basin-Scale Water Resources in Arid and Semi-Arid Regions. EGS-AGU Joint Assembly, Nice, France. April 2003.
- “Global fluvial sediment retention by registered dam systems,” w/M. Meybeck, B. Fekete, K. Sharma, P. Green, and J. Syvitski. River and Estuary Restoration. EGS-AGU Joint Assembly, Nice, France. April 2003.
- “Fluxes of organic and inorganic nitrogen through rivers: A global assessment based on typology,” w/P. Green, M. Meybeck, J. Galloway, and B. Peterson. Coastal Biogeochemistry and its Response to Anthropogenic Perturbations: Inputs, Gas Exchange, Carbon and Nutrient Cycling. EGS-AGU Joint Assembly, Nice, France. April 2003.
- “The Global Water System Project of IGBP, IHDP, WCRP, DIVERSITAS,” w/H. Hoff, C. Jaeger, D. Lettenmeier, C. Leveque, H. Lins, M. Meybeck, and M. Niassé. Integrated Water Resources Assessment and Management and Water for Food and Nature. EGS-AGU Joint Assembly, Nice, France. April 2003.
- “The Use of Satellite Indices of Fluvial Influence and Wind-Generated Resuspension to Explore Coastal Biogeochemistry,” w/J. Salisbury, J. Campbell, and F. Muller-Karger. Coastal Biogeochemistry and its Response to Anthropogenic Perturbations: Inputs, Gas Exchange, Carbon and Nutrient Cycling. EGS-AGU Joint Assembly, Nice, France. April 2003.
- “River discharge strategies from space,” w/D.M. Bjerklie, S.L. Dingman, B. Fekete, C. Birkett, C.H. Bolster, R.G. Congalton, and W. Kirby. PUB, an International and Interdisciplinary Research Initiative for Prediction in Ungauged Basins. EGS-AGU Joint Assembly, Nice FRANCE. April 2003.
- “RIM-Shot: A regional, integrated monitoring system for pan-Arctic water cycle studies.” Natural Resources and Earth Systems Science (NRESS) Environmental Sciences Seminar Series. University of New Hampshire, Durham. February 2003.
- “Overview of Arctic-RIMS Project.” First International PARTNERS (Pan-Arctic River Transport of Nutrients, Organic Matter, and Suspended Sediments) Workshop. Woods Hole, Massachusetts. February 2003.
- NSF Arctic System Science Research Program, Freshwater Initiative All-Hands Meeting, Co-Convener, w/ L. Hinzman. University of Boulder, Boulder, Colorado. February 2003.
- “Humans and the 21st Century Hydrosphere: A Challenge to the Earth Sciences.” UNESCO 21st Century Talks: The Future of Water (invited keynote speaker). Paris, France. January 2003.

IGBP 18th Scientific Committee Meeting. Punta Arenas, Chile. January 2003.

IGBP, WCRP, IHDP Global Environmental Change Programmes, Joint Water Project Meeting. Bethesda, MD. January 2003.

NASA, NOAA, WCRP Integrated Global Observing Strategy (IGOS) Water Cycle Workshop. Joint Office for Science Support, Boulder, Colorado. January 2003.

“Arctic-RIMS & E-RIMS: Regional Integrated Monitoring System for pan-Arctic water cycle studies.” American Geophysical Union Fall Meeting. San Francisco, California. December 2002.

BNPP Phase II Planning Meeting, Functional Value of Biodiversity Project. Washington, DC. December 2002.

Millennium Ecosystem Assessment 2nd Conditions Working Group Meeting. Sao Carlos, Brazil. November 2002.

“Which is most important to measure: Width, depth, velocity, height, gradients, etc.?” NASA River and Wetland Processes Working Group Meeting. Chicago, IL. November 2002.

“Continental runoff, the Arctic, and the declining number of gauges.” NASA River and Wetland Processes Working Group Meeting. Chicago, Illinois. November 2002.

“Pan-Arctic community-wide hydrological analysis and monitoring program (Arctic-CHAMP).” ARCSS Committee Meeting. Arlington, Virginia. October 2002.

“Anthropogenic disturbance of terrestrial water systems.” Ecological Consequences of Freshwater Diversions from Coastal Ecosystems: A Special Symposium. University of Rhode Island, Narragansett, RI. October 2002.

“Joint Water Project: How are Humans Changing the Global Water Cycle.” International Workshop on Vulnerability of Water Resources to Environmental Change: Dialogue on Water and Climate in the Yellow River Basin (invited keynote speaker). Beijing, China. September 2002.

“Welcome, Introduction, and Workshop Goals.” LBA-HydroNET II Workshop. Manaus, Brazil. July 2002.

“High resolution, runoff and discharge fields of the Amazon basin,” w/B. Fekete (presenter). LBA Science Conference II, Manaus, Brazil. July 2002.

“Effects of deforestation in Amazonia on the local hydrological cycle: The scale-dependence issue,” w/C. D’Almeida (presenter). LBA Science Conference II, Manaus, Brazil. July 2002.

“Joint Water Project – Global Change and Water Resources.” GLOWA Status Conference on Global Change in the Hydrological Cycle, Munich, Germany. June 2002.

“Application of Isotopic and Geochemical Hydrograph Separation to a Suburban Basin in the North Shore of Massachusetts.” B. Pellerin (presenter), W. Wollheim, C. Vörösmarty, and W. McDowell. AGU 2002 Spring Meeting, Washington, DC. May 2002.

- “Large Scale Modeling,” w/P. Green, J. Syvitski, and P. Wiberg. Second Annual ONR Mine Burial Prediction Workshop, Scripps Institution of Oceanography, Jan 2002.
- “Enhancing NASA’s contribution to arctic terrestrial hydrology and the study of polar change, w/ J.E. Walsh (presenter), C. Elfring, and A.D. McGuire.” AGU 2001 Fall Meeting, San Francisco CA. Dec 2001.
- NSF Town Meeting: The Hydrologic Cycle and its Role in Arctic and Global Environmental Change, w/ L. Hinzman (Co-presenter). AGU 2001 Fall Meeting, San Francisco, California. Dec 2001.
- “Satellite Remote Sensing and its Contribution to Monitoring Surface Hydrography from Space,” w/ B. Fekete, S.L. Dingman, D. Bjerklie, C. Birkett, D.J. Forrest, and W.H. Kirby. AGU 2001 Fall Meeting, San Francisco CA. Dec 2001.
- Gulf of Maine Nutrient Management Workshop, Portsmouth, NH USA. November 2001.
- “The Hydrologic Cycle and its Role in Arctic and Global Environmental Change.” Land Atmosphere Ice Interactions (LAI) All-Hands Meeting, Salt Lake City UT. Nov 2001.
- “Global Change, the Water Cycle, and our Search for Mauna Loa.” University of Alaska at Fairbanks seminar, Fairbanks AK. Nov 2001.
- Millennium Ecosystem Assessment Second Technical Design Workshop, Cape Town, South Africa. October 2001.
- "The Ipswich-Parker Suburban Watershed Channel (IPSWATCH)," w/W.M. Wollheim (presenter). The National EPA-Empact Meeting. Philadelphia, Pennsylvania. August 2001.
- “Water: The Challenge of the 21st Century.” Media Briefing at the IGBP Global Change Open Science Conference, Amsterdam, The Netherlands. July 2001.
- “Fluxes of organic and inorganic nitrogen through rivers: A global assessment based on typology.” IGBP Global Change Open Science Conference. Amsterdam, The Netherlands. July 2001.
- “Contributions of the Earth Systems Sciences to Global Water Assessment.” IGBP Global Change Open Science Conference. Amsterdam, The Netherlands. July 2001.
- “Global Hydrological Archive and Analysis System (GHAAS): Hydrographic Data Sets Available Online.” IGBP Global Change Open Science Conference. Amsterdam, The Netherlands. July 2001.
- “The control of water and nutrient fluxes to northern temperate coastal zones: The role of snowpack storage and human activities,” w/ W.M. Wollheim (presenter), K. Bredensteiner, T. Loder, B. Pellerin, C. Hunt. IGBP Global Change Open Science Conference. Amsterdam, The Netherlands. July 2001.
- “Contributions of Global Precipitation Measurement to Hydrology and Water Resource Studies.” NASA Global Precipitation Measurement Planning Workshop. College Park MD. May 2001.
- “The Contribution of Satellite Radar Altimetry to the Determination of River Discharge and Lake/Reservoir Stage from Space: A Feasibility Study for North America.” NASA/NOAA GAPP and Hydrology PI Meeting. Potomac MD. May 2001.

- “Water Budget Closure System for South America and the LBA Domain.” NASA/NOAA GAPP and Hydrology PI Meeting. Potomac MD. May 2001.
- “A Regional, Integrated Monitoring System for the hydrology of the pan-Arctic land mass.” NASA/NOAA GAPP and Hydrology PI Meeting. Potomac, Maryland. May 2001.
- “The Global Hydrologic Archive and Analysis System: Its Application to Global Water Assessment.” World Water Assessment Program Data Base Workshop, Geneva SWITZERLAND. January 2001.
- NSF-Arctic Systems Science Hydrology Workshop, Co-Chair and Co-Convener, w/ L. Hinzman, National Center for Ecological Analysis and Synthesis (NCEAS). Santa Barbara, California. September 2000.
- Training in Use of LBA-HydroNET Hydrometeorological Network Database in Support of the Large-Scale Biosphere-Atmosphere Experiment in Amazonia. CPTEC, Cachoeira Paulista BRAZIL. December 2000.
- “Typological Approaches to Estimation of Global Suspended Sediment Flux,” IGBP Water/Sediments Workshop. Boulder, Colorado. September 2000.
- “The Arctic Regional Integrated Monitoring Systems (RIMS),” NSF-Arctic Systems Science Hydrology Workshop. Santa Barbara, California. September 2000.
- NSF-Arctic Systems Science Hydrology Workshop, Chair and Convener, National Center for Ecological Analysis and Synthesis (NCEAS). Santa Barbara, California. September 2000.
- “Towards understanding the controls of nutrient fluxes from watersheds development of a nutrient transport model,” w/ W.M. Wollheim (presenter), K. Bredensteiner, E. Penfold, J. Salisbury, J.D. Aber, and C.S. Hopkinson. ESA/LTER All Scientists Meeting, Snowbird UT. August 2000. Also presented at the Ipswich/Parker Science Meeting. Ipswich MA. June 2000.
- “Regional Estimation of Snowpack Nutrient Storage,” w/ K. Bredensteiner (presenter), T. Loder, E. Penfold, and W. Wollheim. ESA/LTER All Scientists Meeting. Snowbird UT. June 2000.
- “Water Budget Closure System to Support LBA Hydrometeorology and Ecological Studies,” w/ C. D’Almeida (presenter). First LBA Science Meeting. Belem, BRAZIL. June 2000.
- “Establishment of a Global Hydrological Observation Network: Report of the GCOS/GTOS/HWRP expert meeting,” w/ B. Fekete (presenter). Cihlar, J., W. Grabs, and J. Landwehr (eds.). Geisenheim, GERMANY. June 2000.
- “A Satellite-Based System for Monitoring Biogeochemical Fluxes between the Continental Land Mass and the Coastal Oceans: A Focus on River Plumes,” w/ J. Salisbury (presenter), J. Campbell, L.D. Meeker, M. Meybeck, and T. Moore. SeaWiFS Annual Meeting. Durham NH. May 2000.
- Demonstration of GIS-based Software and Global Data Products for Water Resources Assessment. Second World Water Forum and Ministerial Conference. The Hague, THE NETHERLANDS. March 2000.

- “BAHC Core Project Activities in Support of the Newly formed IGBP Water Group: TYGRIS-BAHC,” IGBP Water Group Meeting. Stockholm SWEDEN. February 2000.
- “River Basin Typologies,” IGBP-Land Ocean Interactions in the Coastal Zone 4th Open Science Meeting. Bahia Blanca, ARGENTINA. November 1999.
- “Post-2002 Surface Water Monitoring Mission,” NASA Earth Science Enterprise Land Surface Hydrology Program Investigator Meeting. Columbia MD. November 1999.
- “Altimetry Project Presentation,” NASA Earth Science Enterprise Land Surface Hydrology Program Investigator Meeting. Columbia MD. November 1999.
- “LBA-HydroNET Data Repository to Support Large-scale Biosphere-Atmosphere Experiment in Amazonia,” NASA Earth Science Enterprise LBA Investigator Meeting. Columbia MD. November 1999.
- “An Integrated System for Water Budget Closure over the Pan-Tropical Land-Mass: A TRMM Validation Effort.” TRMM/GPM Meeting. Green Belt MD. October 1999.
- “IGBP Water Initiative,” Workshop on Sustainability of Freshwater Resources in Africa. (UNEP, IGBP-BAHC, EU, MEDIAS, PASS), UNEP Headquarters. Nairobi, KENYA. October 1999.
- “Humans as an Integral Component of the Global Freshwater Cycle,” Centre for Climate and Global Change Research, McGill University. Montreal, CANADA. October 1999.
- “Use of Satellite Altimetry for Monitoring Inland Water Systems,” NASA-USGS Workshop on Remote Sensing of River Stage and Discharge. Herndon VA. September 1999.
- “Global Water Resource Assessment Using High Resolution Spatial Data Sets and Analysis Tools,” World Resources Institute. Washington DC. September 1999.
- SCOPE Nitrogen Initiative, Working Group 1 Meeting. Santa Barbara CA. May 1999.
- IGBP Congress, Inter-Core Programme Element Meetings and SSC of IGBP-BAHC. Shonan Village, JAPAN. May 1999.
- “Storage and Aging of Continental Runoff in Large Reservoir Systems,” Yamanashi Prefecture University and also at the University of Tokyo. Tokyo, JAPAN. May 1999.
- “Human Imprints on the Global Terrestrial Water Cycle,” Princeton Environmental Institute, Princeton University. Princeton NJ. April 1999.
- “Overview of Surface Water Monitoring,” NASA Post-2002 Land Surface Hydrology Mission Planning Workshop. Irvine CA. April 1999.
- Joint French/US National Academy of Sciences Workshop on Hydrology and Water Resources. April 1999.
- “Contemporary Water and Constituent Balances for the Pan-Arctic Drainage System: Continent to Coastal Ocean Fluxes,” w/ B.J. Peterson, R. Holmes (presenter), R. Lammers, A. Shiklomanov, I.

- Shiklomanov, V. Gordeev, and A. Zhulidov. Water and Watersheds Review Meeting. Easton MD. April 1999.
- “Contemporary Water and Constituent Balances for the Pan-Arctic Drainage System: Continent-to-Coastal Ocean Fluxes,” NSF Arctic Systems Science, Land-Atmosphere-Ice Interactions Program 1999 Planning Meeting. Seattle WA. March 1999.
- “A Satellite Based System for Monitoring Biogeochemical Fluxes between the Continental Land Mass and the Coastal Oceans: A Focus on River Plumes,” w/ J. Campbell, L.D. Meeker, M. Meybeck, J. Salisbury (presenter), and T. Moore. SeaWiFS Annual Meeting. Monterey CA. March 1999.
- Post-2002 Mission Planning Workshop (Scientific Expert), NASA Earth Science Enterprise. Easton MD. August 1998.
- Water Balance of Large River Basins, Case Studies (Rapporteur). Second International Conference on Water and Climate. Espoo, FINLAND. August 1998.
- “Storage and Aging of Runoff in Large Reservoirs.” American Society of Limnology and Oceanography / Ecological Society of America, invited. St. Louis MO. June 1998.
- “Background of R-HydroNET Development and Some Hydrological Analysis.” First Working Meeting of the Regional, Electronic Hydrometeorological Data Network (R-HydroNET v1.0) for South America, Central America, and the Caribbean. Panama City, PANAMA. June 1998.
- “An Overview of Remote Sensing Applications for Large Rivers,” w/ A.L. Schloss (presenter) and B. Moore. 1998. North American Benthological Society Meetings. Charlottetown, Prince Edward Island, CANADA. June 1998.
- “UNESCO-based Hydrometeorological Data Activities in South America,” Global Hydrologic Validation Workshop. Dunwalke NJ. April 1998.
- “Water Balance Modeling within a Drainage Basin and River Networking Context.” International Symposium on Hydrology in the Humid Tropic Environment. International Association of Hydrological Sciences. Kingston, JAMAICA. November 1997.
- “Data Banks for Regional and Continental-scale Water Resources Assessment: Needs and Strategies for Implementation.” UNESCO Regional Offices for Science and Technology, Joint Steering Committee Meeting. Kingston, JAMAICA. November 1997.
- “Global Change and Water Quantity and Quality.” M.I.T. Global Change Forum, (invited keynote). Boston MA. October 1997.
- “Contemporary, Global Mapping of the Areal Distribution of Irrigation Land and Associated Rates of Water Consumption (IRRMAP-Globe),” w/ R. Lammers, B. Fekete. Working Group on Decision Systems for Water and Land Management. International Commission on Irrigation and Drainage (ICID). Oxford University, UK. September 1997.
- “Pan-tropical Water Balance Studies: A TRMM Satellite Validation Effort,” w/ C.J. Willmott, J. Roads. Tropical Rainfall Monitoring Mission Science Workshop. NASA/Goddard Space Flight Center. Greenbelt MD. July 1997.

- “The Aging of Runoff in Large Reservoirs of the Danube River Basin,” w/ E. Horvath (presenter), B. Fekete, G. Balint, K. Albert, I. Zsuffa. ICER TEMPUS 2nd International PhD Seminar on Investigation of Environmental Impacts on River Basin and/or Floodplain Management. Budapest, Hungary. July 1997.
- “Anthropogenic Impacts on Global Sea Level”, w/ D. Sahagian (presenter), B.F. Chao. AGU Spring Meeting. Baltimore MD. May 1997.
- “The potential impact of neo-Castorization on sediment transport by the global network of rivers,” w/ M. Meybeck, B. Fekete, and K. Sharma. Symposium on Human Impact on Erosion and Sedimentation. International Association of Hydrological Sciences General Assembly. Rabat, MOROCCO. April 1997.
- IGBP African-GAIM Modeling Workshop. Instructor: Hydrology Modeling. Various lectures and leadership on discussions. Mombasa, KENYA. March 1997.
- “Research-oriented Teaching: Pitfalls, Opportunities, and the Pygmalion Effect.” Lilly Conference on College Teaching, New England Division. Durham NH. September 1996.
- “A Call for the Adoption of Protocols to Reinstate UNESCO Discharge Data Collection and Distribution Based on the Discharge of Selected Rivers of the World Series,” UNESCO International Hydrological Programme, 12th Intergovernmental Council Meeting. UNESCO, Paris, FRANCE. September 1996.
- Planning Workshops for the Hydrological Component of the Large-scale Biosphere / Atmosphere Field Experiment for Amazonia. Short, untitled presentations. IGBP BAHC. Sao Jose dos Campos, BRAZIL. June 1996.
- Teaching Excellence Workshop. UNH Education Department, Durham NH. June 1996.
- “Regional Modeling of Coupled Land-Atmosphere Hydrologic Processes,” w/ W.J. Gutowski (lead), M. Person, Z. Ötles, B. Fekete, and J. York. Second International Conference on the Global Energy and Water Cycle (GEWEX). Washington DC. June 1996.
- “Calibration and Validation Data Sets of NASA-EOS Water Balance Studies.” NASA Mission to Planet Earth EOS Calibration / Validation Workshop. Greenbelt MD. May 1996.
- “A Large-scale Water Balance Model for Permafrost Terrain: Its Calibration and Validation Against Site Data,” w/ J.B. Holden (lead) and S. Frolking. AGU Spring Meeting. Baltimore MD. May 1996.
- “Analyzing the Discharge Regime of a Large Tropical River through Remote Sensing, Ground-based Climate Data and Modeling,” w/ A. Schloss (lead), C.J. Willmott, and B.J. Choudhury. IGARSS ‘96. Lincoln NE. May 1996.
- “Contemporary Water and Constituent Balances for the Pan-Arctic Drainage System: Continent-to-Coastal Ocean Fluxes,” w/ B.J. Peterson (lead), S. Frolking, C.J. Willmott, M. Serreze, M. Meybeck, V. Kimstach, I. Shiklomanov, and V.V. Gordeev. NSF Arctic Systems Science All Hands Workshop. Snowbird UT. May 1996.

- “Impact of Land-Use and Climatic Changes on Hydrology of the Himalayan Basin: A Case Study of the Kosi Basin,” w/ K.P. Sharma (presenter) and B. Moore III. International Conference on Ecohydrology of High Mountain Areas. Kathmandu, NEPAL. March 1996.
- “A Study of Pan-Arctic Drainage System Contributions to the Coastal Zone,” w/ B.J. Peterson (lead), S. Frolking, C.J. Willmott, M. Serreze, M. Meybeck, V. Kimstach, I. Shiklomanov, and V.V. Gordeev. NSF Land-Atmosphere-Ice Interactions (LAI) Workshop. Boulder CO. January 1996.
- “Emerging Impacts of Anthropogenic Change on Global River Systems: The Chinese Example,” w/ C. Li, J. Sun, and Z. Dai. IGBP Scientific Advisory Committee IV. Beijing, CHINA. October 1995.
- The Role of Drainage Basin Dynamics in Emerging Earth System Models,” w/B.J. Peterson, B. Fekete, and A. Schloss. IGBP-GAIM First Science Conference. Garmisch-Partenkirchen, GERMANY. September 1995.
- “The Role of the Nitrogen Cycle in the Global Response of Net Primary Production and Carbon Storage to Doubled Atmospheric Carbon Dioxide,” w/ A. McGuire (lead), J. Melillo, B. Moore III, D. Kicklighter, Y. Pan, A. Schloss, and X. Xiao. IGBP-GAIM First Science Conference. Garmisch-Partenkirchen, GERMANY. September 1995.
- “Modeling Coupled Land-Atmosphere Hydrologic Processes,” w/ W. Gutowski (lead), M. Person, Z. Ötles, B. Fekete, and J. York. IGBP-GAIM First Science Conference. Garmisch-Partenkirchen, GERMANY. September 1995.
- Workshop on Land-based Sources of Global Pollution. Short, untitled presentation. GEMS-Water/UNEP/WHO. Koblenz, GERMANY. June 1995.
- Planning Workshop for the Hydrological Component of the Large-scale Biosphere / Atmosphere Field Experiment for Amazonia. Short, untitled presentation. IGBP BAHC. Paris, FRANCE. June 1995.
- “Developing the Framework for an IGBP-BAHC Integrated Terrestrial Earth System Model,” w/ J. Russo and B. Bass. European Geophysical Society. Hamburg, GERMANY. April 1995. (Annales Geophysicae, Supplement II to Vol. 13: C509).
- “Macro-scale Modeling of Water and Constituents.” US Geological Survey. Reston VA. March 1995.
- “Modeling and Monitoring of Global Constituent Transport Processes.” NASA-HQ. Washington DC. March 1995.
- "Continental-scale Models of Water and Nutrient Inputs to the Coastal Ocean," with B.J. Peterson. SCOPE Workshop on Estuarine Synthesis. Irvine CA. February 1995.
- "A Framework for Developing Spatially-Explicit Models at the Continental Scale." IGBP Inter-Core Project Workshop on Modeling the Delivery of Terrestrial Materials to Freshwater and Coastal Ecosystems. Durham NH. December 1994.
- "Data and Information Systems in Support of the LAMBADA/BATERISTA/AMBIACE Field Campaign." Planning Workshop for the Hydrological Component of LBA. Piracicaba, BRAZIL. November 1994.

- "Water and Material Loadings from Drainage Basins to the Coastal Zone." NSF Land-Margin Ecosystem Research Workshop. Gloucester MA. October 1994.
- "Modeling Continental Hydrology and Constituent Transport." US Global Change Research Program Earth Systems Modeling Workshop. Arlington VA. May 1994.
- "The Terrestrial Water Balance and Estimates of its Modification by Anthropogenic Change." IGBP / GCTE, Open Science Conference. Woods Hole MA. May 1994.
- "Drainage Basin Models for Water and Biogeochemical Cycling at Continental and Global Scales: Key Conceptual Issues," w/ B.J. Peterson. 1994 North American Benthological Society Meetings. Orlando FL. May 1994.
- IGBP BAHC/IGAC/GCTE, Inter-Core Project Steering Committee Meeting. Cambridge MA. Feb. 1994.
- IGBP PAGES Workshop on Fluvial Processes during the Period of Agriculture. Short, untitled presentation. Bern, SWITZERLAND. February 1994.
- NASA Soil Moisture Workshop. NASA Mission to Planet Earth. Tiburon CA. January 1994.
- "Coupled Land-Atmosphere Hydrology Models: The Drainage Basin Perspective, International Workshop on Hydrological Scaling." Robertson, NSW, AUSTRALIA. December 1993.
- "Activities in Macro-scale Hydrology." CSIRO, Division of Water Resources. Adelaide, AUSTRALIA. December 1993.
- "Hydrological Investigations Using a Nested Drainage Basin Approach." LAMBADA / BATERISTA Joint Planning Meeting. Sao Jose dos Campos, BRAZIL. September 1993.
- "Hydrological Investigations in the Framework of a Large-Scale Biosphere-Atmosphere Field Experiment in the Amazon Basin. A Contribution to The Preliminary Science Plan of the LAMBADA/BATERISTA Field Campaign," w/ A. Becker, M. Bonell and C. Fernández-Juáregui. IGBP-BAHC / UNESCO-IHP / IAHS-ICASVR. Sao Jose dos Campos, BRAZIL. September 1993.
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- "Continental-scale Biogeochemistry and the Water Cycle." University of Delaware Seminar Series. Newark DE. December 1992.
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