

IGOR LINKOV, PH.D.

Senior Scientific and Technical Manager (SSTM)
US Army Engineer Research and Development Center;
Adjunct Professor, Carnegie Mellon University;
Adjunct Professor, University of Florida;
Honorary Professor, University of Southern Denmark;
Fellow, AAAS and Society for Risk Analysis (SRA)
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EDUCATION:

Post-Doctoral Training, Biostatistics and Toxicology, Harvard University, 1997.
Ph.D., Environmental, Occupational and Radiation Health, University of Pittsburgh, 1995.
M.S., Physics and Mathematics, Polytechnic Institute, 1990.
B.S. equivalent, Materials Science, Polytechnic Institute, 1988.
Completed all course requirements for MS in Engineering and Public Policy at Carnegie Mellon University, Pittsburgh, Pennsylvania, 1996.

CURRENT AND PREVIOUS POSITIONS:

Senior Scientific and Technical Manager, US Army Engineer Research and Development Center, Concord, MA (2020-present).
Research Scientist, Team Leader, Risk and Decision Science Focus Area Lead, US Army Engineer Research and Development Center, Concord, MA (2007-2020).
Senior Data Analyst (on detail), Federal Emergency Management Agency, DHS, Concord, MA (2007-Present).
Adjunct Professor, University of Florida, Gainesville, FL (2020-Present)
Adjunct Professor of Engineering and Public Policy, Carnegie Mellon University, Pittsburgh, PA (2004-Present).
Honorary Professor, University of Southern Denmark (2017-Present)
Visiting Professor, Ca Foscari University, Venice, Italy (2013-2017).
Science Fellow, US Mission to OECD, Paris, France, (March-June 2017).
Professor of Practice, Electrical and Computer Engineering, University of Connecticut, CT (2014-2015).
Visiting Fellow, University of Pittsburgh Medical Center (2013-2016).
Science Fellow, US Embassy Berlin, Germany, (April-July 2013).

Consulting Senior Scientist, Cambridge Environmental, Inc., Cambridge, MA (2004-2008).

Managing Scientist, Intertox, Inc., Seattle, WA (2006- 2007).

Senior Risk Assessor/ Team Leader, ICF Consulting (former Arthur D. Little Inc.), Lexington, MA (2001-2004).

Senior Scientist/ Project Manager, Menzie-Cura & Associates, Inc., Chelmsford, MA (1998-2001).

Postdoctoral Fellow/Research Associate, Harvard University, Cambridge, MA (1996-1998).

Graduate Student Researcher/ Research Associate, University of Pittsburgh, Pittsburgh, PA (1992-1995).

REVIEWER/EVALUATOR:

Federal Advisory Panels

- Robust and Resilient AI Working Group, DOD (2021-present)
- Cyber-Physical Systems Interagency Working Group: DOD Representative to the Interagency Committee on Networking and Information Technology R&D (2018-present)
- National Nanotechnology Initiative: DOD Representative to the Interagency Working Group on Nanotechnology Environmental and Health Implications (2008-present)
- Organization for Economic Development and Cooperation (OECD), Scientific Advisor to New Approaches to Economic Challenges (NAEC) (2016-present).
- Technical Advisory Committee, US Strategic Environmental Research Defense Program, DOD, (2017-2019)
- US Government Accountability Office (GAO). Experts Meeting on the Department of Energy's Treatment of Hanford Low-Activity Tank Waste (2016)
- US EPA FIFRA Science Advisory Panel on "Research to evaluate the potential for juvenile sensitivity to pyrethroids" (2015)
- Department of Interior, Metrics Expert Group (2014-2015)
- US Food and Drug Administration, Food Advisory Committee (2014-2016)
- Massachusetts Toxic Use Reduction Institute, Science Advisory Board (2002-2018)
- US EPA Science Advisory Board, Member of Scientific and Technological Achievement Awards Review Panel (2006-2009)
- Department of Homeland Security, Member of Integrated Consortium of Laboratory Networks Review Panel (2007-2011)
- National Commission on the BP Deepwater Horizon Oil Spill and Offshore Drilling, Senior Consultant (2010).

Reports, Guidance Documents, and Programs

- University of Florida's Institute of Food and Agricultural Sciences. AI External Advisory Board (2020-present)
- University of Cincinnati, NSF Center for Hardware and Embedded Systems Security and Trust (CHEST), Advisory Board (2020-present).
- University of Nebraska NSF NRT-INFIEWS: Training in Theory and Applications of Cross-Scale Resilience in Ag Dominated Social Ecological Systems, Advisory Board (2018-present).
- University of Massachusetts, Stone Living Lab, Advisory Board (2019-present)
- North Carolina State University, USDA - Social Implication and Best Practices for Responsible Innovation of Nanotechnology in Food and Agriculture, Advisory Board (2020-present).
- National Academy of Science, Gulf Research Program (2017)
- US Food and Drug Administration
 - Decision Analysis Advisor (2016-present)
 - Risk Ranking Model for Product Tracing (2015)
 - Approach for Ranking the Public Health Risk Associated with Drug Residues in Milk and Milk Products (2014)
- U.S. Environmental Protection Agency Science Advisory Panels
 - Risk Assessment Forum “Weight of Evidence in Ecological Risk Assessment” (2016)
 - NERL, paper on “Predictive Modeling for Evaluating Exposure to Nanomaterials” (2010)
 - Office of Research and Development, Peer Review Panel on “Using Probabilistic Methods to Enhance the Role of Risk Analysis in Decision-Making, with Case Study Examples” (2010)
 - Office of Pesticide Programs, FIFRA SAP Nanosilver Hazard and Exposure Review Panel (2009)
 - Office of Research and Development Nanotechnology Research Strategic Plan
 - Nanotechnology White Paper Review (2008)
 - Hazardous Waste Identification Rule Risk Assessment
 - Input Parameter Guidance for Assessing Risks Associated with Combustor Emission
 - Sensitivity Analysis Guidance for Assessing Risks Associated with Combustor Emission
 - Review Panel on “Physical/Chemical Properties of HWIR Chemicals”
- City of Cambridge, MA
 - Nanotechnology Advisory Panel (2006-2007)
 - Climate Change Adaptation Support (2012-2013)
- Health Canada
 - Nanotechnology Expert Meeting (Nanotech Laboratory Safety, 2008)
 - Nanotechnology Stakeholder Workshop (Gaps and Opportunities, 2008)

- Department of Homeland Security
 - Quadrennial Homeland Security Review (QHSR, 2008)
- International Atomic Energy Agency (1996-2001)
 - BIOMASS Program
 - Guidance for Disposal of Radiologically Contaminated Waste
 - Guidance for Contaminated Wood Products
- U.S. Defense Threat Reduction Agency
 - Chemical Biological Radiological Nuclear (CBRN) Contamination Hazards and Risks Working Group (CHRWG) Independent Evaluation and Assessment Team (2006)
- US Department of Agriculture
 - Food Defense Certificate Program (2004)
- U.S. Agency for Toxic Substances and Disease Registry
 - Radionuclide Released to the Clinch River on the Oak Ridge Reservation – An Assessment of Historical Quantities Released, Off-Site Radiation Doses, and Health Risks (1998)
 - PCBs in the Environment Near the Oak Ridge Reservation—A Reconstruction of Historical Doses and Health Risks (1998)
 - Screening Level Evaluation of Additional Potential Materials of Concern at Oak Ridge Reservation (1998)
- U.S. National Science Foundation
 - USA-Japan Science Technology Program (2000)
- U.S. Department of Defense
 - SMART Fellowship Program (2008, 2009, 2011)

Proposals

- New Jersey Sea Grant Consortium (2021)
- FWF Austrian Science Fund (2020)
- World Bank (2020)
- H.C. Ørsted Programme, cofunded by Marie Skłodowska-Curie, DTU (2018, 2019)
- The Netherlands Organisation for Scientific Research (2017)
- Independent Research Fund Denmark (2017)
- Swiss National Science Foundation (2017, 2019)
- University of Hawaii Sea Grant College Program (2017)
- The Research Council of Norway (2016)
- UK Engineering and Physical Science Research Council (2015)
- US DOD, Minerva Grants Review Panel (2014)
- US EPA, Computational Toxicology Centers Peer Review Panel (2014)
- The Dutch Council for Earth and Life Sciences (2013)
- American Chemistry Council, Long Range Initiative (2012)

- US EPA, STAR Nanotechnology Program (2011)
- National Science Foundation, Decision, Risk and Management Science Program (2007, 2010, 2013, 2014, 2018, 2019, 2020, 2021)
- UK Natural Environment Research Council, Environmental Exposures & Health Initiative (2010, 2019)
- US NOAA, Prevention, Control, and Mitigation of Harmful Algal Blooms (2010)
- Luxemburg National Research Fund, Sustainable Resource Management in Luxembourg (2010, 2015).
- European Commission, Expert Panel Evaluator for Nanotechnology (2009)
- US EPA, Cumulative Risk Assessment for Non-chemical Stressors Review Panel (2009)
- US EPA, Ecosystem Services Grants Review Panel (2009)
- US EPA, Nanotechnology Grants Review Panel (2008)
- US EPA, Computational Toxicology Peer Review Panel (2008)
- European Commission, Expert Panel Evaluator for Programme Quality of Life and Management of Living Resources: Environment and Health (2004)
- International Science and Technology Center (1998)

External Promotions Evaluator

- Southern Denmark University (2018, 2019)
- Chalmers University, Sweden (2015)
- Cranfield University, UK (2015)
- Technical University Lisbon, Portugal (2007)
- US EPA, Office of Research and Development (2005, 2015)
- Carnegie Mellon University (2002)
- University College Dublin, Ireland (1996 and 1998)

Journal Papers

- Accounts of Chemical Research
- Acta Astronautica
- BMC Clinical Pharmacology
- BMC Geriatrics
- Bulletin of Environmental Contamination and Toxicology
- Cancer Causes & Control
- Cities
- Civil Engineering and Environmental Systems
- Chemosphere
- Children and Youth Services Review
- Computer-Aided Civil and Infrastructure Engineering
- Computers and Security
- Contaminant Hydrology

- Conservation Biology
- Cyber-Physical Systems
- Diversity and Distributions
- Earth's Future
- Ecological Applications
- Ecological Economics
- Ecological Modelling
- Ecological Indicators
- Ecology and Society
- Ecosystem Services
- Ecotoxicology and Environmental Safety
- Energy Policy
- Environment International
- Environment, Systems and Decisions
- Environmental Chemistry
- Environment, Development and Sustainability
- Environmental Earth Sciences
- Environmental Impact Assessment Review
- Environmental Modeling and Software
- Environmental Pollution
- Environmental Science and Policy
- Environmental Science and Technology
- Environmental Science and Pollution Research
- Environmental Sciences Europe
- Environmental Science Nano
- Environmental Toxicology and Chemistry
- Environmental Technology Review
- Environments
- EURO Journal on Decision Processes
- European Journal of Agronomy
- European Journal of Operational Research
- Food Control
- Forests
- Frontiers in Artificial Intelligence
- Frontiers in Built Environment
- Future Generation Computer Systems
- Health Policy
- Heliyon

- Human and Ecological Risk Assessment
- IEEE Transactions on Computational Social Systems
- IEEE Transactions on Engineering Management
- IEEE Transactions on Industrial Informatics
- Integrated Environmental Assessment and Management
- International Command and Control (C2) Journal
- International Journal of Comparative Psychology
- International Journal of Environmental Health Research
- International Journal of Disaster Risk Reduction
- International Journal of Management Science and Engineering Management
- International Journal of Operations Research and Information Systems
- International Journal of Production Research
- International Journal of Strategic Property Management
- International Transactions in Operational Research
- Journal of the Association for Information Science and Technology
- Journal of Building Engineering
- Journal of Cleaner Production
- Journal of Environmental Engineering
- Journal of Environmental Management
- Journal of Environmental Planning and Management
- Journal of Environmental Practice
- Journal of Environmental Radioactivity
- Journal of Flood Risk Management
- Journal of Hazardous Materials
- Journal of Hydrology
- Journal of Industrial Ecology
- Journal of Infrastructure Systems
- Journal of Multi-criteria Decision Analysis
- Journal of Nanoparticle Research
- Journal of Public Affairs
- Journal of Risk Research
- Journal of Water Resource Planning and Management
- Landscape and Urban Planning
- Land Use Policy
- Marine Environmental Research
- Methods in Ecology and Evolution
- Nanomedicine
- Nanoscale Research Letters

- NanoToday
- Nanotoxicology
- Nature Communications
- Nature Nanotechnology
- Nature Scientific Reports
- Nuclear Engineering and Technology
- Materials Discovery
- Methods in Ecology and Evolution
- Ocean and Coastal Management
- OMEGA, The International Journal of Management Science
- Pharmaceutics
- Plos One
- Quarterly Review of Biology
- Radiation and Environmental Biophysics
- Regulatory Toxicology and Pharmacology
- Reliability Engineering and System Safety
- Risk Analysis
- RSC Advances
- Science
- Science and Technology of Advanced Materials
- Science of the Total Environment
- Scientia Agricola
- Socio-Ecological Practice Research
- Sustainability
- Sustainability of Water Quality and Ecology
- Sustainable Cities and Society
- Sustainable Energy Technologies and Assessments
- Sustainable Production and Consumption
- Systems Engineering
- Technologies
- Toxicology and Applied Pharmacology
- Toxics
- Toxicology
- Transportation Research Record
- Transactions on Maritime Science
- Trends in Food Science and Technology
- WIRE's Nanomedicine and Nanobiotechnology

TEACHING AND STUDENT SUPERVISION:

Undergraduate	Graduate
2008-2009	
Emily Moberg	Matthew Wood
Hillary Benson	Andrew Benson
Ivy Huang	Magnus Sparrevik
Drew Loney	Laurie Haines
Jen Toyzer	Geoff Milz
Thomas Jacques	
2010	
Benjamin Trump	Paul Welle
Eric Chu	Mayank Mohan
Polina Bakhteiarov	Kun Zan
Nina Sinatra	Matthew Wood
2011	
Benjamin Trump	Paul Welle
Kelsie Baker	Matthew Wood
Adam Bockelie	Yousra Tourki
Nick Pabon	Mika Marttunen
Eric Chu	Khara Griege
Richie Hartz	Yousra Tourki
Michelle Barber	Khara Grieger
John Coles	
Fausto Morales	
Connie Lu	
Daisy Wang	
2012	
Aileen Craig	Niels Zussblatt
Linda Seymour	Benjamin Trump
Derek Chang	Benjamin Wender
Elizabeth Jones	Heng Dai
Joseph Li	Nicolas De Lichy
Kate Kelly	Matthew Wood
2013	
William Gates	Niels Zussblatt
David Jin	Daniel Eisenberg
Michael Benjamin Eck	Benjamin Trump
Elisabeth Paulson	Aileen Craig
Haley Shoaf	Adis Durovic
Elisa Pabon	Danail Hristozov
Kelley Philbin	Emeric Trossot
Mona Azadi	Fahim Tonmoy
2014	
David Jin	Niels Zussblatt

Caroline Chen	Laura Read
Olivia Massey	Margaret Kurth
Andrew Steen	Michael Tsang
Christopher Luke	Benjamin Trump
Corinne Hayes	Ryan Scott
Jordan Cornell	Viktoria Gisladdottir
Christopher Pardo	Benoit Brocher
Everleigh Stokes	Wendi Goldsmith
Kristina Fioretti	Maja Kadenic
Mary Hwang	Laura Read
Nicholas Steen	
2015	
Caroline Chen	Niels Zussblatt
Olivia Massey	Laura Read
Brenda Stern	Margaret Kurth
	Michael Tsang
	Benjamin Trump
	Mahesh Panwar
2016	
Joshua Trump	Linda Seymour
George Haddad	Daniel Eisenberg
Ashley Filion	Benjamin Trump
Bryan Lilley	Elizabeth Connelly
Erin Reynolds	Shane Winslow
Taylor Willits	Marcus Snell
William Popov	
Jake Eggan	
2017	
Joshua Trump	George Haddad
Marlena Keisler	Laars Helenius
Sabrina Mazer	Erin Harrell
Andrew Jin	Steven Bakovic
	Glenn Rice
	Maureen Golan
	Tuomas Lahtinen
	Daniel Eisenberg
2018	
Joshua Trump	Emily Wells
Michael Sarkis	Rahim Ali
Robert Zollinger	David DeSmet
Nicholas Desmornes	Pamela Cabrera
2019	
Caroline Reynolds	Emily Wells
Michael Sarkis	David DeSmet

Anna Ulanova	Katarzyna Klasa
Trajan Gering	Michael Rath
Josh Hall	Matthew Joyner
2020	
Anna Ulanova	Emily Wells
Trajan Gering	Katarzyna Klasa
Noah Bridges	Matthew Joyner
Isabel Aries	Kelsey Hollenback
	Elis Kalaidjian
	Andrew Jin
2021	
Mason Barnard	Emily Wells
Mariel Boden	Katarzyna Klasa
Josie Dechard	Elis Kalaidjian
Sienna Mark	Andrew Jin

Training Programs for Professionals

- Training Program, US Department of Commerce, 2004-2006. Dr. Linkov managed a training program designed to educate and provide hands-on experience to scientists and managers from Eastern Europe. Eight interns were trained in the two year period.

Organizer of Educational Workshop and Training Classes

- Course Director, Elm, Saudi Arabia, February, 2016
- Lecturer. Course on Environmental MCDA. Ca Foscari University of Venice, 17 October – 15 November 2016.
- Lecturer. Course on Environmental MCDA. Ca Foscari University of Venice, 1-31 October 2015.
- Lecturer. Course on Environmental MCDA. Ca Foscari University of Venice, 1-31 October 2014.
- Organizer and Lecturer- *Risk Communication without Risk Communication*, SRA Continuing Education Workshop, 8 December 2013, Baltimore, MD.
- Lecturer. Course on Sustainable Development. Ca Foscari University of Venice, 1-31 October 2013.
- Organizer and Lecturer- *DA (Decision Analysis) in a Day*. SRA Continuing Education Workshop, 29 May 2012, New Castle, NH.
- Organizer and Lecturer- *Nanomaterials Risk Management*. SRA Continuing Education Workshop, 9 December 2007, San Antonio, TX.
- Organizer and Lecturer- *Risk Assessment for Nanomaterials: Current Developments and Trends* City of Cambridge/SRA/TURI Continuing Education Workshop, 29 May 2007, Cambridge, MA.

- Organizer and Lecturer- *Risk Assessment and Decision Analysis: Applications in DOD and DHS Settings* SRA Continuing Education Workshop, 3 December 2006, Baltimore, MD.
- Organizer and Lecturer- *Probabilistic Risk Assessment SOT* Continuing Education Workshop, 27 October 2007, Waco, TX.
- Organizer and Lecturer- *Decision Analysis: Applications and Tools*, Continuing Education Workshop at US EPA, 28 April 2006, Cincinnati, OH.
- Organizer and Lecturer- *Decision Analysis: Process, Methods and Tools*, Continuing Education Workshop at Toxicology Conference, 27 April 2006, Cincinnati, OH.
- Organizer and Lecturer- *Integrated Risk Communication and Decision Analysis: Process, Methods and Tools*, SRA Continuing Education Workshop, 4 December 2005, Orlando, FL.
- Organizer and Lecturer- *Probabilistic Risk Assessment*, SETAC Continuing Education Workshop, November 2005, Baltimore, MD..
- Organizer and Lecturer- *Multi Criteria Decision Analysis-Environmental Application*, SETAC Continuing Education Workshop, November 2005, Baltimore, MD.
- Organizer and Lecturer- *Multi Criteria Decision Analysis: Applications to Sediment Management*, Continuing Education Workshop at Battelle Conference on Contaminated Sediments, January 2005, New Orleans, LA.
- Organizer and Lecturer- *Multi Criteria Decision Analysis*, SRA Continuing Education Workshop, 7 December 2004, Palm Springs, CA.
- Organizer and Lecturer- *Multi Criteria Decision Analysis-Environmental Application*, SETAC Continuing Education Workshop, November 2004, Portland, OR.
- Organizer and Lecturer- *Bayesian Techniques in Risk Assessment*, SRA Continuing Education Workshop, 7 December 2003, Baltimore.
- Director and Lecturer- *Risk Communication in Military Settings*, SRA Continuing Education Workshop, 23 June 2003, Brussels, Belgium.
- Organizer and Lecturer- *Bayesian Techniques in Risk Assessment*, SRA Continuing Education Workshop, December 2002.

AWARDS AND HONORS:

- IEEE Homeland Security Research and Innovation Award, IEEE, 2021
- Herbert Vogel Award for Scientist of the Year, US Army Engineer R&D Center, 2021
- Meritorious Civilian Service Medal, Department of the Army, 2021
- US Army Engineer R&D Center “Research and Development Award ” 2021
- US Army Engineer R&D Center “Outstanding Achievement in Technology Transition to Federal Agencies, ” 2021
- Arthur S. Flemming Award for Exceptional Public Service (2020)
- US DOD Top Laboratory Scientist Award (2020, 2nd quarter)
- US Army Corps of Engineers Innovation Award, 2020
- US Army Superior Civilian Service Award, 2020

- US Army Engineer R&D Center “Outstanding Achievement in Technology Transition to Federal Agencies,” 2020
- Outstanding Educator Award, Society for Risk Analysis, 2019.
- Meritorious Civilian Service Award, Department of the Army, 2018
- US Army Engineer R&D Center “Best Project Team Award,” 2018
- Superior Achievement Medal for Civilian Service, Department of the Army, 2017
- Elected Fellow, American Association for Advancement of Science (AAAS), 2016
- US Embassy Science Fellow, US Department of State, 2016
- US Army Engineer R&D Center “Science, Technology, Engineering, and Math Award,” 2016
- US Army Corps of Engineers, Individual Science, Technology, Engineering, and Math Volunteer of the Year Award, 2015
- Harvard Kennedy School, Innovations in American Government Award, Semifinalist, 2015
- Outstanding Practitioner Award, Society for Risk Analysis, 2014
- US Army Corps of Engineers, Green Innovation Award, 2014
- US Army Engineer R&D Center “Program Development Achievement Award,” 2014
- Fellow Award, Society for Risk Analysis, 2014
- US Embassy Science Fellow, US Department of State, 2013
- Commander’s Award for Civilian Service, Department of Army, 2013
- Honorary recognition award for Net Zero Energy Education and Outreach, SAME (Society of American Military Engineers), 2012
- Achievement Medal for Civilian Service, Department of the Army, 2010
- Councilor, Society for Risk Analysis, 2009-2012
- Chauncey Starr Award for Outstanding Contribution to the Field of Risk Analysis, Society for Risk Analysis, 2005.
- International Institute of Environmental Sciences, Technical Advisory Board.. 1996-2004.
- National Institute of Health/Japan Science & Technology Center Fellowship, 1998
- Carnegie Mellon University, Stephen Lee Award for Best Project Management Course, 1995.
- U.S. National Academy of Sciences CAST Fellowship, 1994-1995.
- Ioffe Physical-Technical Institute, Ioffe Solid State Award for the Best Research by Young Investigator, 1992.

EDITORIAL BOARDS:

- Environment, Systems, Decisions (Springer, Editor in Chief, 2012-present)
- Springer Interdisciplinary Book Series on Risk, Decisions and Systems (Editor in Chief, 2014-present)
- Risk Analysis (Editorial Board Member, 2018-present)

- Environments (Editorial Board Member, 2020-present)
- Frontiers in Big Data and Artificial Intelligence (Associate Editor, 2018-present)
- Bulletin of Environmental Contamination and Toxicology (Springer, Editorial Board Member, 2012-present)
- Environmental Sciences Europe (Springer, Editorial Board Member, 2011-present)
- Global Security: Health, Science and Policy (Taylor and Francis, Editorial Board Member, 2015 - present)
- PLOS One (Editorial Board Member, 2014-2021)
- Integrated Environmental Assessment and Management (Wiley, Decision Analysis Area Editor, 2010-2017)
- International Journal of Operations Research and Information Systems (Editorial Board Member, 2008-2017)
- Journal of Environmental Protection Science (Editorial Board Member, 2006-2012)

PROFESSIONAL MEMBERSHIPS:

- Society for Risk Analysis (SRA): Councilor (2009-2012), Security and Defense Specialty Group (Founder and Past Chair), Decision Analysis Specialty Group (Founder and Past Chair), Ecological Risk Assessment Specialty Group (Chair and Past Chair), New England Chapter (Past President, President, President-Elect), Conferences & Workshops Committee (Member), Program Committee (Member)
- American Association for Advancement of Science (AAAS): Fellow (2016), SRA Representative in Section Y: General Interest in Science and Engineering
- INFORMS Decision Analysis Society
- INFORMS Military Applications Society
- Society of Environmental Toxicology and Chemistry: Liaison Committee (Member), Eco RA Advisory Group (Member), Nanotechnology Advisory Group (Member), Area Editor
- Society of American Military Engineers (SAME)

CONFERENCES/ WORKSHOPS ORGANIZING COMMITTEES:

- American Institute of Chemical Engineers (AIChE) Infrastructure and Enterprise Resilience Workshop (Virtual, Sep 2020)
- SETAC World Congress, Program Committee (TBA, 2021)
- 30th European Safety and Reliability Conference and the 15th Probabilistic Safety Assessment and Management Conference, Program Committee (Venice, Nov 2020)
- NATO Workshop on Synthetic Biology, Chair (Switzerland, July 2019)
- SRA World Congress on Risk, Program Committee Chair (South Africa, May 2019)
- NSF Workshop on Metrics for International Collaboration (Washington, DC Feb. 2019)
- NATO Workshop on Cyber Resilience in Arctic, Chair (Finland, January 2019)
- NATO Workshop on Security and Resilience of Information Systems, Director (Estonia, August 2018)

- 2nd International workshop on Modelling of Physical, Economic and Social Systems for Resilience Assessment, Technical Committee Member (Brussels, Belgium, December 2017)
- IEEE International Conference on Smart City Innovations, Program Committee (San Francisco, CA, August 2017)
- Society for Risk Analysis Forum on Nanomaterials and Emerging Threats (Venice, Italy, February 2017)
- International Workshop on MCDA in Enterprise Information Systems, Program Committee (Portugal, October 2016)
- NATO Workshop on Risk and Resilience, Director (Portugal, June 2016)
- 3rd international conference on Internet Science, Program Committee (Florence, Italy, September 2016)
- Society for Risk Analysis/EU Nanosafety Cluster workshop on Nanomaterials Risk Governance. Co-Chair (Venice, Italy, January 2016)
- Aspen Global Change Institute Workshop on “Risk and Resilience in the Face of Global Change” Co-Chair (December 2015).
- SRA World Congress on Risk, Program Committee Chair (Singapore, July 2015)
- NATO Workshop on Triple Zero Net Energy, Water and Waste Models Applications, Senior Advisor to Organizing Committee (Denmark, February 2015)
- Science and Diplomacy, Embassy of Germany (Washington, DC, December 2015)
- International Workshop on MCDA in Enterprise Information Systems, Program Committee (Portugal, October 2014)
- Decision Analysis Affinity Group Annual Meeting (Boston, March 2014)
- Policy Forum: *Risk and Resilience*, Chair (Berlin, February 2014)
- National Nanotechnology Initiative Workshop: *Nanotechnology Risk Assessment and Management*, Co-Chair (Washington, DC, September 2013)
- Seventh International Conference on Remediation of Contaminated Sediments; Committee Member (Dallas, Texas, February 2013)
- NATO Workshop: *Sustainable Cities and Military Installations: Climate Change Impact on Energy and Environmental Security*, Director (Iceland, June 2012)
- 2nd International Conference on *Biologically Inspired Cognitive Architectures*. Program Committee (Washington, DC, November 2011)
- Military Operations Research Society Conference on *Risk Assessment for Acquisitions* Program Committee Member (Washington, DC, September 2011)
- 5th International Symposium on *Nanotechnology, Occupational and Environmental Health* Scientific Committee Member (Boston, MA, August 2011)
- Society for Risk Analysis: *Annual Meeting*, Program Committee Member (Salt Lake City, UT, 6-9 December 2010)
- US Army Corps of Engineers. *Sediment Management and Beneficial Uses*. Co-Chair (Washington, DC, August, 2010)
- NATO Workshop: *Climate Change: Risk Assessment and Adaptive Management*, Chair (Iceland, June 2010)

- US National Nanotechnology Initiative Capstone Workshop on “*Risk Management Methods (RMM) and Ethical, Legal, & Social Issues (ESLI)*” Organizing Committee Member (Washington, DC, March 2010)
- US ACE/EPA and Sediment Management Working Group. *Mental Modeling for Sediment Management*. Co-Chair (Washington, DC, September 2009)
- US Army Corps of Engineers. *Environmental Aspects of Climate Change and Role of USACE* Co-Chair (Vicksburg, MS, August 2009)
- US DHS. *Integrated Risk Assessment Workshop* Co-organizer (Washington, DC July 2009)
- US NNI and DOD. *Nanosensors* Committee Member (Washington, DC, May 2009)
- US DOD. *Cognitive Aspects of Decision Making* Chair (Washington, DC, Fall 2008)
- *International Environmental Nanotechnology Conference: Applications and Implications* Program Committee Member (Chicago, IL, 7-9 October 2008)
- Society for Risk Analysis: *Annual Meeting*, Program Committee Member (Boston, MA, 6-9 December 2008)
- Second World Congress on Risk, Organizing Committee (Mexico, 2008)
- NATO Workshop: *Nanotechnology: Environmental Risks and Benefits*, Chair (Portugal, Spring 2008)
- Society for Risk Analysis: *Annual Meeting*, Program Committee Member (San Antonio, TX, 5-8 December 2007)
- NATO Workshop: *Natural Disasters and Water Security: Risk Assessment, Emergency Response, and Environmental Management*, Organizing Committee Member (Erevan, Armenia, October 2007)
- NATO Workshop: *Uncertainty and Decision Analysis for Environmental Security and Non-chemical Stressors*, Chair (Lisbon, Portugal, March 2007)
- Society for Risk Analysis: *Annual Meeting*, Program Committee Member (Baltimore, MD, 3-6 December 2006)
- NATO Workshop: *Wastewater Management, Risk and Environmental Security*, Organizing Committee Member (Izmir, Turkey, October 2006)
- Society for Risk Analysis: *OMB Risk Assessment Bulletin Forum*, Organizing Committee Member (Washington, DC, 23-24 May 2006)
- NATO Workshop: *Risk Assessment for Critical Infrastructure*, Organizing Committee (Croatia, 9-13 May 2006)
- NATO Workshop: *Risk Management Tools For Port Security, Critical Infrastructure and Sustainability*, Director and Organizer (Venice, Italy, 16-19 March 2006)
- NATO Study Institute: *Integrated Water Resources Management in the Middle East*, Organizing Committee Member (Israel, February 2006)
- Society for Risk Analysis: *Annual Meeting*, Program Committee Member (Orlando, FL, 4-7 December 2005)
- NATO and US Army Corps of Engineers Workshop: *Environmental Security in Harbors and Coastal Areas*, Chairman, (Thessalonica, Greece, April 2005)

- Society for Risk Analysis/Interstate Technology Research Coalition Workshop: *Probabilistic Risk Assessment: Current Developments and Trends*, Chairman (Lansing, MI, 28-31 March 2005)
- Society for Risk Analysis: *Annual Meeting*, Program Committee Member (Palm Springs, CA, 5-8 December 2004)
- NATO Workshop: *Ecotoxicology, Ecological Risk Assessment, and Multiple Stressors*, Organizing Committee (Poros, Greece, October 2004)
- NATO Workshop: *Assessing Approaches for Non-Lethal Weapons, Human Effects, and Risk Characterization*, Organizing Committee (Prague, Czech Republic, October 2004)
- Army Corps of Engineers/NOAA/EPA Workshop: *Comparative Risk Assessment and Multi-Criteria Decision Analysis*, Chairman (Palm Beach, June 2004)
- NATO Workshop: *The Role of Risk Assessment in Environmental Security and Emergency Preparedness in Mediterranean Region*, Chairman (Eilat, Israel, April 2004)
- Society for Risk Analysis: *Annual Meeting*, Committee Member (Baltimore, MD, 7-10 December 2003)
- NATO Study Institute: *Strategic Management of Marine Ecosystems*, Organizing Committee (Nice, France, 1-10 October 2003)
- Society for Risk Analysis: *World Congress on Risk*, Program Committee Member (Brussels, Belgium, 23-26 June 2003)
- NATO Workshop: *Comparative Risk Assessment*, Organizer and Director (Italy, 2002)
- NATO/EPA Workshop: *Environmental Risk Assessment*, Organizer and Director (Portugal, 2000)
- NATO Workshop: *Contaminated Forests*, Organizer and Director (Ukraine, 1998)
- NATO Workshop: *Air Pollution*, Chairman (Russia, 1997)

BOOKS:

1. Trump, B., Florin, M.V., Perkins, E., & **Linkov, I.** (2021). *Security and Resilience for Emerging Synthetic Biology and Biotechnology Threats*. Springer, Amsterdam.
2. **Linkov, I.**, Keenan, J., Trump, B.D (2021). *COVID-19: Systemic Risk and Resilience*. Springer, Amsterdam
3. **Linkov, I.**, Moberg, E., Trump, D., Yatsalo, B., & Keisler, J. (2021). *Multi-Criteria Decision Analysis: Case Studies in Engineering and the Environment*. CRC Press, Boca Raton, FL.
4. Trump, B. D., Hossain, K., & **Linkov, I.** (2020). *Cybersecurity and Resilience in the Arctic*. IOS Press, Amsterdam.
5. Trump, B., Cummings, C. L., Kuzma, J., & **Linkov, I.** (2020). *Synthetic Biology 2020: Frontiers in Risk Analysis and Governance*. Springer, Amsterdam.
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