



FEATURED SPEAKERS



ANDREA GALINSKI

DECISION SUPPORT FOR FLOOD RISK MITIGATION: AUTOMATED DATA COLLECTION AND VISUALIZATION TOOLS

An assistant scholar in the Department of Landscape Architecture at the University of Florida, Andrea Galinski has worked for the past seven years with the Coastal Protection and Restoration Authority (CPRA). CPRA is a Louisiana agency charged with developing and implementing the state's 50-year, \$50 billion Coastal Master Plan to protect and restore the Louisiana coast.

While bringing design expertise to the science-based agency, Galinski's work has focused broadly on science communication and visualization, as well as program and policy development for the agency's Flood Risk and Resilience Program. The Master Plan Data Viewer she developed for CPRA won Honorable Mention in the Federal Emergency Management Agency's 2015 Individual and Community Preparedness Award for Technological Innovations.

Galinski received a master's in landscape architecture from Louisiana State University and a transdisciplinary bachelor's in human ecology from Penn State University.



STEVE KOLLER

CLIMATE TIPPING POINTS

As an economics and policy analyst in the Office of the Chief Economist at the Environmental Defense Fund in New York City, Steve Koller works on research and advocacy to advance clean energy, carbon pricing and nature-based climate adaptation policies. His work has been published in *The Review of Environmental Economics and Policy*, and covered by *The New York Times* and *Utility Dive*.

Koller has a bachelor's from Penn State University, and a Master of International Affairs degree from the School of Global Policy and Strategy at the University of California San Diego. He has previous work experience in South Korea and Singapore, including a temporary assignment with the United Nations Development Programme. Koller is originally from Staten Island, New York.



"Alone we can do so little; together we can do so much."

— Helen Keller

We would like to thank our external stakeholders for joining us today and sharing their experiences of collaborating with our *Breaking Through* teams.

#bettertogether



ROBBIN SHOEMAKER

FROM GLOBAL TO LOCAL TO GLOBAL: ATTAINING LONG RUN SUSTAINABILITY IN US AGRICULTURE

As the national program leader for economics and social sciences for the U.S. Department of Agriculture’s National Institute of Food and Agriculture, Robbin Shoemaker oversees the Economics, Markets and Trade, Innovation for Rural Entrepreneurship and Communities program, and the Environmental and Natural Resource Economics program. The programs are within the Agriculture and Food Research Initiative’s competitive grants program.

Shoemaker also has served as division chief for Agricultural Economics and Rural Communities in the Research, Education, and Extension Office for the Chief Scientist and Undersecretary for Research, Education and Economics, USDA, and was associate director of the Resource and Rural Economics Division at the Economic Research Service. His research interests include the economics of science and technology policy, with an emphasis on evaluating science using scientometric techniques for managing and assessing research activities.

Shoemaker received a doctorate in economics from George Washington University, a master’s in agricultural economics from the University of Maryland and a bachelor’s in economics from Temple University.



ANSGAR KOENE

BIG DATA ETHICS: DETECTING BIAS IN DATA COLLECTION, ALGORITHMIC DISCRIMINATION AND “INFORMED REFUSAL”

As a senior research fellow for the Horizon Institute for Digital Economy Research at the University of Nottingham in the United Kingdom, Ansgar Koene has a multidisciplinary research background. He has published on topics that include policy and governance of algorithmic systems, data privacy, artificial intelligence (AI) ethics, AI standards, bio-inspired robotics, AI and computational neuroscience, and experimental human behavior/perception studies. He has a master’s in electrical engineering and a doctorate in computational neuroscience.

Currently, as a co-investigator on the UnBias and ReEnTrust projects, Koene leads stakeholder engagement that brings together regulatory organizations, industry, nongovernmental organizations and academics. The collaborative work, focused on development policy, design and education recommendations, is funded by the United Kingdom’s Engineering and Physical Sciences Research Council. Koene also contributes to policy formation by submitting evidence to U.K. parliamentary inquiries, reports for the European Parliament and other policy engagements.

Koene chairs the Institute of Electrical and Electronics Engineers’ P7003 Standard for Algorithmic Bias Considerations working group, is the Bias Focus Group leader for the IEEE Ethics Certification Program for Autonomous and Intelligent Systems, and is a trustee of the 5Rights Foundation for the rights of young people online.



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