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Short Bio: Dr. Seth Guikema is an Assistant Professor in the Department of Geography and Environmental Engineering at Johns Hopkins University with joint appointments in Civil Engineering and Earth and Planetary Sciences as well as an Adjunct appointment in the Department of Industrial Economics, Risk Management, and Planning at the University of Stavanger. He is also a Senior Analyst with Innovative Decisions, Inc. His research focuses on developing, testing, and implementing methods for disaster risk analysis for critical infrastructure systems, sustainability and resilience for urban areas, and terrorism risk analysis. While much of this work focuses on the development of data-driven predictive models, he also works on game theoretic approaches for terrorism risk analysis and on multicriteria decision analysis. His work has been funded by NSF, DOE, DHS, and private utilities. He received the Chauncey Starr award as the outstanding young risk analyst from the International Society for Risk Analysis in 2010 and two best paper awards for the journal Risk Analysis for 2012 as well as earlier publication awards. He is the Area Editor for Mathematical Modeling for the journal Risk Analysis and an Associate Editor for the ASCE Journal of Infrastructure Systems.