



Josef Oehmen

Josef Oehmen, Ph.D., MBA, is an Associate Professor at the Technical University of Denmark (DTU). His research focuses on designing and managing large-scale (systems) engineering programs, especially on how to deal with risk, uncertainty and ignorance. He is the founder and coordinator of the Engineering Systems RiskLab at DTU (<http://risklab.dtu.dk>). Prior to DTU, Josef worked at MIT and ETH Zurich (where he also obtained his PhD).

He has won numerous awards and scholarships, including regular keynote speaker invitations, teaching awards, the Shingo Prize for his work on Lean Engineering Program Management (2013), an appointment as Visiting Professor at the Technical University of Munich (2012), DAU Research Competition Winner (2012), INCOSE collaboration award (2012), a journal paper of the year award (2011), and the research award of the Department for Management, Technology and Economics at the ETH Zurich in 2009.

He co-founded DTU's Engineering Systems Group as well as MIT's Consortium on Engineering Program Excellence (CEPE), co-chairs the INCOSE Lean Systems Engineering Working Group, and founded and co-chairs the Design Society's Special Interest Group on Risk Management Processes and Methods. He is a member of the board of IDA Risk.

Josef's current research focuses on developing and implementing paradigm-shifting risk management techniques in the design, construction and operation of Engineering Systems. He brings a design and risk management perspective to improving how we collaborate in project management and systems engineering. He works on advanced (non probabilistic and ML-based) risk quantification methods, principles of resilient engineering and project execution, lean risk management, and risk-informed leadership in engineering organizations.