Reliability Assessment of a Bridge Structure Subjected to Chloride Attack
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

On the Probabilistic Characterization of Robustness and Resilience
Research output: Contribution to journal › Conference article – Annual report year: 2017 › Research › peer-review

System Reliability of Bridge Structure Subjected to Chloride Ingress
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review

A cost–benefit analysis of mitigation options for optimal management of risks posed by flow-like phenomena
Narasimhan, H., Ferlisi, S., Cascini, L., de Chiara, G. & Faber, M. H., 2016, In : Natural Hazards. 81, p. 117-144
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Social and technological aspects of disaster resilience
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Combining engineering and data-driven approaches: Calibration of a generic fire risk model with data
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Numerical Investigations into the Value of Information in Lifecycle Analysis of Structural Systems
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

On the value of SHM in the context of service life integrity management
Qin, J., Thöns, S. & Faber, M. H., 2015, Proceedings of the 12th International Conference on Applications of Statistics and Probability in Civil Engineering. p. 8
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Probabilistic Assessment of the Occurrence and Duration of Ice Accretion on Cables
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Quantification of the Value of Structural Health Monitoring Information for Fatigue Deteriorating Structural Systems
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review
Resilient integrated energy infrastructures
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2015 › Research › peer-review

Risk and Sustainability in an integrated decision making framework: the GDSI open platform
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research › peer-review

Risk and Sustainability in an integrated decision making framework: the GDSI open platform
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review

Combining engineering and data-driven approaches: Development of a generic fire risk model facilitating calibration
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Emerging wind energy technologies
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2014 › Research › peer-review

Interdisciplinary approach to disaster resilience education and research
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research › peer-review

On the value of structural health monitoring
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Optimal Design of Monitoring Systems for Risk Reduction and Operation Benefits
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Value of Information Analysis in Structural Safety
Konakli, K. & Faber, M. H., 2014, *Vulnerability, Uncertainty, and Risk: Quantification, Mitigation, and Management: Proceedings of the Second International Conference on Vulnerability and Risk Analysis and Management (ICVRAM) and the Sixth International Symposium on Uncertainty Modeling and Analysis (ISUMA)*. American Society of Civil Engineers, p. 1605-1614
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Assessing the value of structural health monitoring
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review
Robustness: Theoretical Framework
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Statistics and Probability Theory: In Pursuit of Engineering Decision Support
Research output: Book/Report › Book – Annual report year: 2012 › Research › peer-review

Ultimate Limit State Model Basis for Assessment of Offshore Wind Energy Converters.
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Applications of Statistics and Probability in Civil Engineering
Research output: Book/Report › Book – Annual report year: 2011 › Research › peer-review

Bayesian probabilistic network approach for managing earthquake risks of cities
Bayraktarli, Y. & Faber, M., 2011, In : Georisk. 5, 1, p. 2-24
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research

Editorial
Faber, M. H., 2011, In : Georisk. 5, 1, p. 1
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

On the governance of global and catastrophic risks.
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Uncertainty treatment in earthquake modelling using Bayesian probabilistic networks
Bayraktarli, Y., Baker, J. & Faber, M., 2011, In : Georisk. 5, 1, p. 44
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research

Risikobasierter Ansatz zur Bewertung der Robustheit von Bauwerken
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Sustainable Management of Life Safety Risks
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

A framework for the asset integrity management of large deteriorating concrete structures
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Bayesian updating in natural hazard risk assessment
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Constrained optimization of component reliabilities in complex systems
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review
Risk based structural integrity management of marine platforms using bayesian probabilistic nets
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Societal performance of infrastructure subject to natural hazards
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Structural safety special issue on risk acceptance and risk communication
Faber, M. H., 2009, In : Structural Safety. 31, 2, p. 97
Research output: Contribution to journal › Editorial – Annual report year: 2009 › Research › peer-review

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Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Bewertung der Ermüdungsfestigkeit von Baustrukturen In Offshore-Windenergie-Anlagen
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Projects:

Risk-based inspection Planning and Value of Information
Irman, A. A., Thöns, S., Faber, M. H. & Sørensen, J. D.
Samfinansieret - Andet
15/10/2016 → 30/12/2019
Project: PhD

Real Time Decision Support in the Face of Evolving Natural Hazards
Anders, A., Nishijima, K., Faber, M. H., Nielsen, B. F., Chatzi, E. & Kroon, I. B.
Ansat eksternt
01/03/2011 → 28/04/2014
Project: PhD

Risk Assessment of Stay Cable Fatigue
Roldsgaard, J. H., Georgakis, C. T., Faber, M. H., Koss, H., Chryssanthopoulos, M. & Sørensen, J. D.
Technical University of Denmark
01/02/2011 → 23/02/2015
Project: PhD

Development of a natural hazard risk model framework with application to flood risk
Custer, R., Faber, M. H., Nishijima, K., Thöns, S., Jonkman, S. N. & Baubion, C.
Technical University of Denmark
15/01/2011 → 24/08/2015
Project: PhD

Definition of a generic decision making framework and design of an Open Decision Support Platform
Miraglia, S. & Faber, M. H.
01/04/2015 → 01/03/2017
Project: Research