technische universität dortmund

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DORTMUNDER MODELL
Fakultät Architektur und Bauingenieurwesen

Chair of Fastenings Engineering (Fak. 10)
Alhussain Yousef, Nikolaos Mellios, Prof. Dr. Panos Spyridis

Chair for Reliability Engineering (Fak. 7)
Prof. Dr. Matthias G.R. Faes

GUEST LECTURE SERIES

Uncertainty and Reliability in Engineering – Theory and Modelling

19/04/2023, 10.30 - 12.00: **Introduction to reliability and stochastic modelling**	→ Mittelzone GB II – Groundfloor *
19/04/2023, 13.00 - 16.00: **Workshop: Demonstration of software FReET (www.freet.cz)**	→ Room 423, GB II – 3rd floor * **
20/04/2023, 10.00 - 12.00: **Uncertainty quantification; surrogate models**	→ Hörsaal 4, Hörsaalgebäude I *
20/04/2023, 13.00 - 16.00: **Workshop: Uncertainty quantification with Python (open source UQPy)**	→ Room 423, GB II – 3rd floor * **

Prof. Drahomír NOVÁK

Professor Drahomír Novák holds the Chair of Structural Mechanics at Brno University Technology, where he has also served as head of the department and research dean for several years. His expertise fields are: Structural safety and reliability, stochastic computational mechanics and finite elements, Monte Carlo simulation techniques, fracture mechanics, and stochastic optimization, inverse analysis, identification, reliability-based optimization. He is the principal author of reliability software FREET and author to 3 books and more than 270 international publications.

Ass. Prof. Lukáš NOVÁK

Lukáš Novak is Assistant Professor at the Institute of Structural Mechanics at Brno University Technology. His research includes achievements in the areas of Theory of Probability and Uncertainty Quantification, Structural Reliability, Polynomial Chaos Expansion. Recently, he completed a high-profile research stay at the Extreme Materials Institute at the Johns Hopkins University in Baltimore, USA.

*** All lecture venues are located at the South Campus**

**** Please write a short email – even on short notice – to express your interest for the workshops to: panagiotis.spyridis@tu-dortmund.de**