

Scientific and technical organisation:

Prof. Dr.-Ing. habil. Frank Werner

Research Training Group 1462

Evaluation of Coupled Numerical and Experimental Partial

Models in Structural Engineering

Bauhaus-Universität Weimar

Weimar, Germany

Dr.-Ing. Maximilian Huber

Researcher & Consultant

Deltares

Delt, The Netherlands

Prof. Dr. rer. nat. Tom Lahmer

Juniorprofessor for Stochastic and Optimization

Bauhaus-Universität Weimar

Weimar, Germany

Dr.-Ing.habil. Thomas Most

Dynardo GmbH

Weimar, Germany

Dr.-Ing.habil. Dirk Proske

University of Natural Resources and Applied Sciences

Institute of Mountain Risk Engineering

Vienna, Austria

Important dates:

Submission of abstracts (not exceeding 400 words):

20th April 2014

Submission of full papers:

25th August 2014

Notification of paper acceptance:

10th September 2014

Scientific Committee:

Prof. K. Bergmeister, Vienna, Austria

Prof. C. Bucher, Vienna, Austria

Prof. H. Budelmann, Braunschweig, Germany

Prof. R. Caspeele, Belgium

Prof. B. Ellingwood, Atlanta, USA

Prof. M. H. Faber, Lyngby, Denmark

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Prof. C.-A. Graubner, Darmstadt, Germany

Prof. K. Gürlebeck, Weimar, Germany

Prof. M. Hicks, Delft, Netherlands

Prof. J. Hildebrand, Weimar, Germany

Prof. M. Holicky, Praha, Czech Republic

Prof. C. Könke, Weimar, Germany

Prof. G. Mancini, Torino, Italy

Prof. R. Melchers, Callaghan, Australia

Prof. G. Morgenthal, Weimar, Germany

Prof. F. Nadim, Oslo, Norway

Prof. K. Smarsly, Weimar, Germany

Prof. D. Straub, Munich, Germany

Prof. A. Strauss, Vienna, Austria

Prof. P.D. Spanos, Houston, USA

Prof. L. Taerwe, Gent, Belgium

Prof. K.-J. Witt, Weimar, Germany

Prof. F. Wuttke, Kiel, Germany

Location:

Bauhaus Universität Weimar

Weimar, Germany



12th International Probabilistic Workshop

04 - 05 November 2014
Weimar Germany

2nd Bulletin

www.uni-weimar.de/ipw2014

Bauhaus-
Universität
Weimar

dynardo 
dynamic software & engineering


Enabling Delta Life 

Organization

In the previous years a series of probabilistic workshops on safety and risk in civil engineering were organized starting in 2003/2004 in Dresden, followed 2005 in Vienna, 2006 in Berlin, 2007 in Ghent, 2008 in Darmstadt, 2009 in Delft, 2010 in Szczecin, 2011 in Braunschweig, 2012 in Stuttgart and 2013 in Brno. We will continue this series with the 12th probabilistic workshop which will take place on 04th and 05th November 2014 at Bauhaus-University Weimar, Germany. The workshop will be organised jointly by the Graduate Research School 1462 "Evaluation of Coupled Numerical and Experimental Partial Models in Structural Engineering" of Bauhaus-Universität Weimar (Germany) and the University of Natural Resources and Applied Life Sciences (Austria), Deltares (The Netherlands) and Dynardo GmbH (Germany).

Scope

Safety, reliability and risk are key issues in a world with continuously increasing complexity. Road and railway accidents, tunnel fires or natural hazards like hurricanes, floods or earthquakes show the vulnerability of our technical facilities and the natural and social environment. Therefore the consideration of safety and risk is without doubt a very important issue during the design of technical facilities, such as civil engineering structures and infrastructure works. Questions about the analysis and treatment of safety and risk arise, as well as questions about optimal safety levels or questions about acceptable values. Those interested in structural safety as well as in broader views on the subject will find appropriate sessions during the symposium.

Potential participants can be consultants, contractors, suppliers, owners, operators, insurance experts, authorities and those

Conference topics

The conference contributions range from geotechnical engineering & hazards, theory in stochastic modelling & reliability based design in civil engineering and applications of probabilistic framework in the context of engineering design. Four internationally renowned keynote speakers have been invited to promote the development of new approaches and ideas .

Prof. em. Dr. Dr. Dr. h.c. Bernd-Olaf Küppers

Friedrich Schiller Universität Jena | Institute of Philosophy
Safety through certainty?

Prof. Dr. Bruno Sudret

ETH Zürich | Institute of Structural Engineering
Chair of Risk, Safety & Uncertainty Quantification
Advanced computational methods for structural reliability analysis - Applications in civil engineering.

Prof. Dr. Darius Uciński

University of Zielona Góra | Institute of Control and Computation Engineering
Robustness of optimal sensor location for parameter estimation of spatiotemporal systems

Prof. Dr. Geert Lombaert

KU Leuven | Structural Dynamics Division
A probabilistic framework for robust topology optimization of structures sensitive to geometric imperfections

Prof. Dr. Dietrich Hartmann

Ruhr University Bochum | Chair of computing in engineering
Uncertainty Evaluation in Computational Engineering - Diverse Solution Concepts

The keynote speeches and the contribution shall help researchers, engineers and PhD students to familiarise themselves with the probabilistic concepts and to deepen their knowledge in this field.

The final program of the conference will be available by the beginning of September.

Registration

Please register for the 12th International Probabilistic Workshop at 04.-05.11.2014 on our website:

www.uni-weimar.de/ipw2014

You can contact the organisation committee by sending a mail to ipw2014@uni-weimar.de

Fees

full fee	380,- €
early bird registration (till 15.09.2014)	350,- €
reduced fee for PhD students	180,- €
early bird registration (till 15.09.2014)	150,- €
accompanying persons	85,- €
cancellation fee	
after 16.09.2014	50 %
after 26.10.2014	100 %