



HRVATSKO DRUŠTVO ZA MEHANIKU
CROATIAN SOCIETY OF MECHANICS

PODRUŽNICA OSIJEK

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Sveučilište Josipa Jurja Strossmayera u Osijeku

Građevinski fakultet Osijek

p o z i v a j u

na popularno–znanstveno predavanje

**"Code development in Germany and experience based
design concepts"**

koje će održati

Dr.-Ing. Jochen Schwarz

s Bauhaus-Universität Weimar

u ponedjeljak, 28. rujna 2015. u 11:00 sati

na Građevinskom fakultetu Osijek, Crkvena 21,

predavaonica 3/P.

PREDSJEDNIK PODRUŽNICE:

doc.dr.sc. Davorin Penava, dipl.ing. građ.

CURRICULUM VITAE

Dr.-Ing. Jochen Schwarz

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ACADEMIC HISTORY

1980 – 1985	Research Assistant	HAB Weimar, WB Stahlbeton-, Spannbeton und Plastbauwerke, Prof. Dr.-Ing. habil. E. Hampe
1986 – 1994	Research Assistant	HAB Weimar, Institute for Industrial and Special Buildings
1986 – 1994	Research Assistant	HAB Weimar, Prof. Planung von Ingenieurbauten
seit 1995	Coordinator	Accomplishment and Analysis of world-wide Earthquake TaskForce missions of the Engineering Group
since 1996	Head	Earthquake Damage Analysis Center at Bauhaus-Universität Weimar
since 1997	Member	DIN-NABau „Erdbeben, Sonderfragen“ (seit 2000 stellvertr. Obmann)
2000 – 2004	Leader	BMBF- Verbundprojekts “DFNK – Risikoanalyse Erdbeben“
2004 – 2011	Member	Kerntechnischer Ausschuss: Arbeitsgremiums Neufassung der KTA 2201.1
since 2009	Leader	Head of Master course program „ <i>Natural Hazards and Risks in Structural Engineering (NHRE)</i> “ at Bauhaus-Universität Weimar

SELECTED PUBLICATIONS

- Abrahamczyk, L., Schwarz, J., Langhammer, T., Genes, M.C., Bikce, M., Kacin, S., Gülkan, P. (2012): Seismic Risk Assessment and Mitigation in the Antakya-Maras Region (SERAMAR): Empirical Studies on the basis of EMS-98. *Earthquake Spectra* 29, No. 5,.
- Kaufmann, Ch., Schwarz, J. (2008): Modular System for Seismic Risk Analysis considering Uncertainties of basic Input Parameters. *Proceedings 14th WCEE*, Abstract ID: S01-02-024.
- Lang, D. H., Schwarz, J., Gülkan, P. (2011): Site-Structure Resonance as a Proxy for Structural Damage. *Earthquake Spectra* 27, 4, 1105–1125.

Schwarz J., Raschke, M., Maiwald, H. (2006): Comparative Seismic Risk Studies for German Earthquake Regions on the Basis of the European Macroseismic Scale EMS-98. *Natural Hazards*. Special Issue: German Research Network Natural Disasters **38**, 259–282.

Schwarz, J. (2008): Modellierung und Wirklichkeit im Erdbebeningenieurwesen - zur Bedeutung verhaltens- und erfahrungsgestützter Nachweismethoden. In *Festschrift anlässlich des 80. Geburtstages von Prof. Erhard Hampe (1928-1998) - Spuren und Erinnerungen*, Schriften IKI, Heft 013, 159-184.

Schwarz, J., Maiwald, H. (2012): Empirical vulnerability assessment and damage description for natural hazards following the principles of modern macroseismic scales. 15th WCEE, Paper 5652.

→ <http://www.edac.biz> (→ Publikationen)

SELECTED RESEARCH PROJECTS

- Magnitudenorientierter Bebenkatalog für deutsche und angrenzende Gebiete (EKDAG)
- Untergrundabhängige Intensitätszuordnung für die probabilistische seismische Gefährdungsanalyse
- Damage and seismic response prognosis for RC frame structures on the basis of a hybrid approach combining instrumental and numerical data. (TUR 07/I09 IntenC: Promotion of German-Turkish Higher Education Research)
- Digitales Mauerwerk: Erfahrungsbasierte Bewertungskonzepte und Risikoanalysen– Erdbeben (DIMEBRA-EB), AiF-Projekt
- Empirical and analytical assessment of masonry structures under seismic action (TUR 10/I59)

→ <http://www.edac.biz> (→ Profil; → Forschung)