

ŽIVOTOPIS predavača:



Jun.-Prof. Dr.-Ing. Lars Abrahamczyk is employed at Earthquake Damage Analysis Center (EDAC), Bauhaus-Universität Weimar. One focus of his scientific work is the assessment of the vulnerability of buildings and building stock to seismic (extraordinary) impacts with a focus on reinforced concrete framed structures with masonry infills and masonry buildings. In this context, extensive experience in the temporary and permanent instrumentation of buildings and structures, as well as the evaluation of continuous and triggered measurement data for the determination of actual behaviour and condition could also be gathered. Methods for the quantification of data quality and the detection of events were also developed within the framework of the DFG Research Training Group 1462, under his management. The research work focuses on the validation of structural models for the derivation of reliable damage predictions and the derivation of preventive measures. His current research focus in connection with extraordinary loads is the fast earthquake pre-warning and damage assessment for residential buildings and existing buildings within the framework of the EU project "TURNkey". He has experience in conduction of risk projects, the empirical as well as analytical evaluation of structures, and coordination of international projects.