

Special  
session

ICONHIC 2016



## Performance-based soil-structure interaction of lifelines and infrastructure

2016

28-30 June

**Abstract Submission Deadline**  
March 1st

**Paper Submission Deadline**  
April 4th

**Special Session Organisers**  
Nikos Gerolymos  
Assistant Professor  
National Technical University  
of Athens, Greece

Anastasios Sextos  
Associate Professor  
Aristotle University of  
Thessaloniki, Greece  
& University of Bristol, UK

A special session on “Performance-based Soil-Structure Interaction of lifelines and infrastructure” is organised during the International Conference on Natural Hazards and Infrastructure to be held in Chania, Greece, 28-30 June 2016. The Special Session focuses on recent advances in Performance-based Earthquake Engineering with emphasis on dynamically interacting soil-structure systems, such as buildings, bridges, geotechnical structures, wastewater, sewage and energy pipelines, port facilities as well as on related infrastructure.

More specifically, it will encourage contributions on the analysis, design and assessment of coupled SSI systems, probabilistic evaluation and

mitigation of seismic risk, fragility estimates at a component, structure and network level, structural health monitoring and innovative techniques for identifying the dynamic characteristics of flexibly supported structures, new materials and techniques for active, passive or natural (in-soil) isolation and for improving infrastructure resilience, analytical, numerical and experimental identification of dynamic SSI effects as well as optimum earthquake ground motion selection and generation for research and design purposes.

It is envisaged that the Special Session will constitute an interesting forum for researchers and practitioners at the boundaries between geotechnical and structural engineering.

PLEASE SEND E-MAIL CONTRIBUTIONS TO:  
[gerolymos@gmail.com](mailto:gerolymos@gmail.com)  
[asextos@civil.auth.gr](mailto:asextos@civil.auth.gr) & [a.sextos@bristol.ac.uk](mailto:a.sextos@bristol.ac.uk)

FURTHER INFO  
[iconhic2016.com](http://iconhic2016.com)