

Conference Topics

Cross-Cutting Themes

- Physical Modeling in Lab and Field: from miniature to large scale Testing
- Resilient Infrastructure Design: from structural Robustness to adaptive Systems
- Community Preparedness and Resilience to Natural Disasters
- Cascading Hazards and Multiple Risk Assessment
- Sensing and Monitoring: from local Instrumentation to Satellite technologies
- Case studies and lessons learned
- Eco-friendly mitigation techniques
- Engineering in harsh Environments (Offshore Challenges, Arctic Areas, Deep-Water Systems)

Earthquakes

- Engineering Seismology & Ground Motion Simulation
- Assessment, Analysis and Retrofitting of Structures
- Aging Infrastructure and future Earthquakes: concrete, steel and masonry Structures
- Seismic Design of Foundations and Underground Structures
- Ground Failure & Liquefaction: Analysis and effects on Structures and Lifelines
- Isolation and Energy Dissipation Devices

Landslides

- Landslides Prevention and Mitigation: Design Practice and New Concepts
- Hazard Assessment and Sensing
- Offshore Landslides and effects on submarine Structures and Pipelines
- Earthquake/Flood induced Landslides : Analysis and Modeling

Floods and Tsunamis

- Flood-resistant Design: Applications on Dams and Levees
- Tsunami-resistant Design
- Tsunami Generation - Propagation
- Flood & Tsunami Disasters: Prevention - Mitigation

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Paper Submission deadline: **February 15 2016**

Abstract Submission is OPTIONAL

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Early Bird (before 1 February)

Registration fee: 390 € / Student fee: 290 €

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