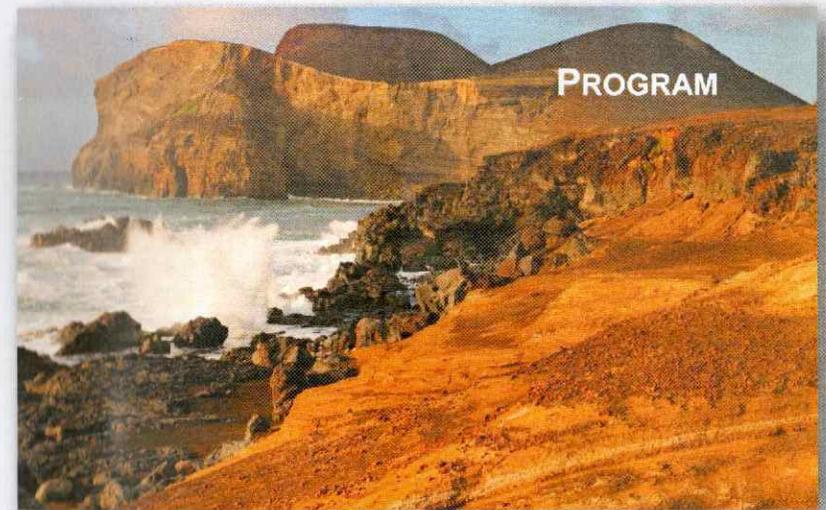


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4th International Workshop on NATURAL HAZARDS

GEOTECHNICAL RISKS



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REGIONAL SECRETARIAT FOR TOURISM, MOBILITY AND INFRASTRUCTURE
through
REGIONAL LABORATORY OF CIVIL ENGINEERING

Horta, Faial Island, Azores
23rd and 24th October 2025

Santa Bárbara's Volcano Seismicity (Terceira Is. - Azores), from June 2022 to June 2025 By Matilde Silva , Maria Escuer and Fernando Carrilho
Numerical Modeling of Volcanic Soil Crushing, Including the Collapse Mechanism By Miguel Angel Millán Muñoz, Ruben Angel Galindo Aires, Fausto Molina-Gómez and David Mencias-Carrizosa
DInSAR Technology for Monitoring Ground Deformation in a Historical Mining Area (Tibães, NW Portugal): A Preliminary Hazard Analysis By José Teixeira , Stélio Tavares Júnior, Alberto Gomes, Maria João Dias Costa and Helder I. Chaminé
A Brief State-of-the-Art of Polymers for Secured Drapery Systems in Aggressive Environments By Diego Garcia, Ginna Torres and Diogo Freitas

Assessment, planning, and design with natural hazards: urban planning, engineering works and hydrological issues

Hydrogeology of Pyroclastic Flow Plateau – Case study of the Yabakei Pyroclastic Flow in Kyusyu Island, Japan By Takehiro Ohta , Nanami Sengoku, Atsuki Uchida and Masayoshi Chidori
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Promoting the resilience of road pavements by mitigating geotechnical risks due to climate change – A review By José Neves
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Geotechnical Risks in Natural Stone Quarries By Luís Lopes, António Pinho , Ruben Martins and Isabel Duarte
Geotechnical Project Life Cycle Assessment: A Tool for Sustainability and Minimizing Potential Future Risks By Fernando Pereira

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