

THEMED SESSION

Geohazards & Pipelines: Addressing Vulnerabilities, Standards, and Systemic Risks

29 June – 2 July 2026 | Chania, Greece

ORGANIZER



Spyros Karamanos

University of Thessaly,
Greece

ABSTRACT SUBMISSION DEADLINE

30 November 2025

MANUSCRIPT SUBMISSION DEADLINE

1 March 2026

EXTENDED ABSTRACT SUBMISSION DEADLINE

31 March 2026

DESCRIPTION



This Special Session will explore the design and mitigation challenges facing energy and water pipelines subjected to geohazard actions. Bringing together engineering, geoscience, and operational perspectives, the session aims at highlighting advances in hazard mapping, evolving pipeline design codes, novel monitoring technologies and structural integrity issues. The discussion will emphasize lessons learned, systemic vulnerabilities, and pathways toward building resilience in pipeline systems.

Session Outline

- Geohazard Mapping & Geotechnical Studies
- Pipeline-Soil interaction: Threats, Vulnerability and Mitigation Options
- Risk Management & Pipeline Service Resilience
- Pipeline Design Standards & Policy Perspectives
- Early Warnings & Monitoring

Session Format

The Special Session will be structured in two parts:

1. **Technical Presentations** – cutting-edge research, methodologies, and innovations.
2. **Case Studies & Lessons Learned** – insights into design, construction, and operational dimensions, with emphasis on fostering proactiveness and anticipatory action.

Call for Contributions

We invite the submission of either:

- **Full Papers** (abstract required in advance), or
- **Extended Abstracts** (2–3 page briefs highlighting methodological insights and key takeaways).