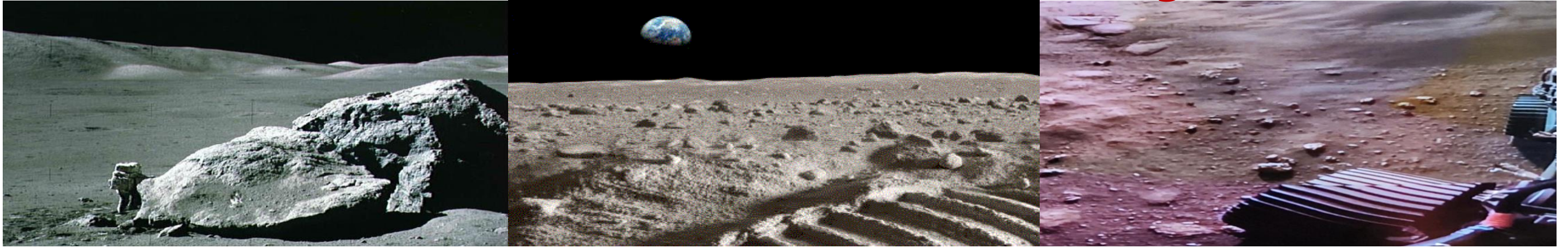


International Workshop on Granular Materials & Regolith



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Mahdia Hattab - Workshop Co-Chair
Université de Lorraine, France; mahdia.hattab@univ-lorraine.fr

Ramesh B. Malla - Workshop Co-Chair,
University of Connecticut, USA; ramesh.malla@uconn.edu

Anil Misra - Workshop Co-Chair,
Florida International University, USA; anmisra@fiu.edu

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Netherlands

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USA

Danielle Wyrick, Southwest Research Institute, San Antonio, TX,
USA

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Fares Bennai, Université de Lorraine, France

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Granular Materials Fundamentals, Applications and Concepts for Extraterrestrial Regolith including the Moon, Mars and Asteroids

Université de Lorraine, Metz, France

April 14 – 17, 2025

Organized by:

- American Society of Civil Engineers/Aerospace Division Space Engineering and Construction Technical Committee (ASCE/ASD-SEC TC), U.S.A.
- American Society of Civil Engineers/Engineering Mechanics Institute, Granular Materials Technical Committee (ASCE/EMI-GMTC), U.S.A.
- International Research Network - Multi-Physics and Multi-Scale Couplings in Geo-Environmental Mechanics (IRN GeoMech/CNRS), France

Hosted and Managed by:

- LEM₃ CNRS Université de Lorraine – UFR MIM Campus du Technopole, Metz, France.

Description

The workshop will be organized at the Université de Lorraine, on the Technopole campus at Metz, France, from April 14 to 17, 2025. The workshop is fundamentally an engineering and scientific event, entirely focused on the new trends of research in the field of granular media behavior and complex systems toward understanding the behavior of extraterrestrial regolith, whether lunar, Martian or asteroid-derived. The workshop is envisioned to be a joint venture among the American Society of Civil Engineers/Aerospace Division Space Engineering and Construction Technical Committee (ASCE/ASD-SEC TC), American Society of Civil Engineers/Engineering Mechanics Institute, Granular Materials Technical Committee (ASCE/EMI-GMTC), and IRN: International Research Network - Multi-Physics and Multi-Scale Couplings in Geo-Environmental Mechanics (IRN GeoMech/CNRS).

The event will bring together specialists and established researchers from academia, government agencies and industry primarily from Europe and North America. Participants will exchange and discuss ideas and topics related to regolith issues, particularly how knowledge and methods developed for granular media can help to approach extraterrestrial regolith behavior under extreme temperature, thin atmosphere, radiation, meteorite impact and other extreme environmental conditions. The workshop will have approximately 75 invited researchers/specialists in the fields of granular media and regolith. The event will ensure three days of intense, fruitful, and high-level scientific exchanges between communities from various fields related to the workshop theme.

Sponsors: *EuroMétropole de Metz *Département de la Moselle *UFR-MIM Department/Université de Lorraine
*More coming



Metz, France

Submit your abstract for Quick talks and Posters by Decembre 15, 2024

CONFERENCE WEBSITE

<https://regolith-metz.event.univ-lorraine.fr/>