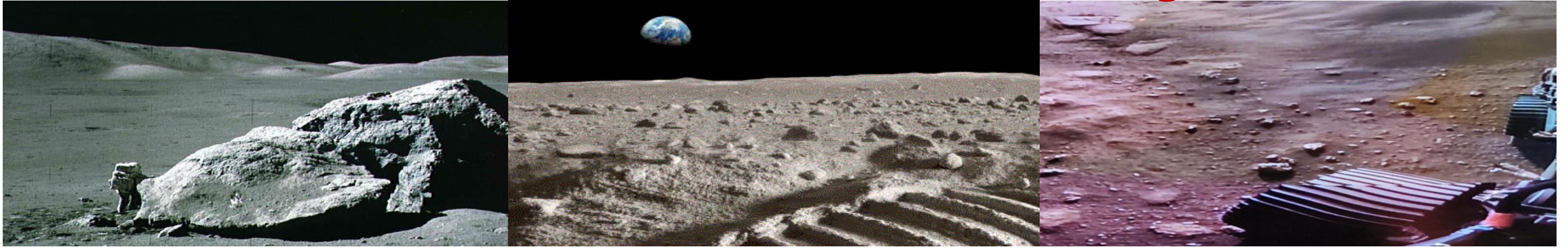


# International Workshop on Granular Materials & Regolith



## International Organizing Committee:

Mahdia Hattab - Workshop Co-Chair  
Université de Lorraine, France; [mahdia.hattab@univ-lorraine.fr](mailto:mahdia.hattab@univ-lorraine.fr)

Ramesh B. Malla - Workshop Co-Chair,  
University of Connecticut, USA; [ramesh.malla@uconn.edu](mailto:ramesh.malla@uconn.edu)

Anil Misra - Workshop Co-Chair,  
Florida International University, USA; [anmisra@fiu.edu](mailto:anmisra@fiu.edu)

Robert Anderson, NASA Jet Propulsion Laboratory, Pasadena,  
CA, USA

Joseph Antony, University of Leeds, UK

Andreas Becker, Rhineland-Palatinate Technical University,  
Germany

R. Stefano Capitanio, European Space Agency (ESA), Warmond,  
Netherlands

Francesco dell'Isola, University of L'Aquila, Italy

Roberto de Moraes, AECOM, Oakland, CA, USA

Nathan Gelino, NASA Kennedy Space Center, FL, USA

Pooneh Maghoul, Polytechnique Montreal, Montreal, QC,  
Canada

Olivier Millet, La Rochelle Université, France

Robert Mueller, NASA Kennedy Space Center, FL, USA

Francois Nicot, Université Savoie Mont-Blanc, France

Payam Poorsolhjoui, Eindhoven University of Technology, The  
Netherlands

Luke S. Sollitt, NASA Ames Research Center, Moffett Field, CT,  
USA

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

## Local Organizing Committee:

Mahdia Hattab, Université de Lorraine, France

Fares Bennai, Université de Lorraine, France

Claire Cioni, Université de Lorraine, France

Mohamad Jrad, Université de Lorraine, France

Nathalie Niclas, Université de Lorraine, France

## 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:**

- LEM<sub>3</sub> CNRS Université de Lorraine, 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. 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 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/>