

The 10th International Conference on the Micromechanics of Granular Media

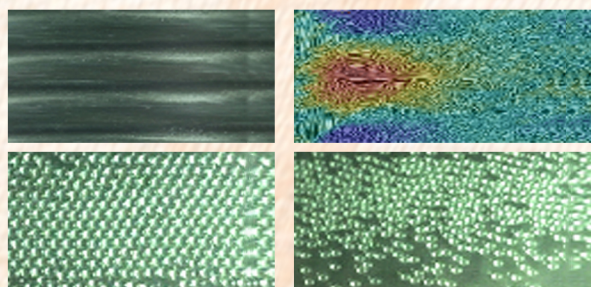
Date: 8-12 December 2025

Venue: Novotel Goa Resort & Spa, Candolim

The aim of Powders & Grains 2025 is to share the recent advances in the broad research field of granular media and particulate suspensions. Contributions from experts around the world will cover a wide range of topics

Powders & Grains (www.powdersandgrains.org) is the premier international scientific conference held every four years in three different continents (Europe, America and Asia & Oceania) since 1989. It brings together engineers, physicists and applied mathematicians interested in the mechanics and physics of granular media and particulate suspensions. It distinguishes itself from other meetings on granular materials by (1) the mixture of disciplines, (2) the unique single-session talks, (3) the posters taking a prominent role and being displayed throughout the conference, and (4) the refereed conference papers published online before the meeting.

The past P&G conferences were held at (1) Clermont-Ferrand - France (1989), (2) Birmingham - England (1993), (3) Durham - USA (1997), (4) Sendai - Japan (2001), (5) Stuttgart - Germany (2005), (6) Golden - USA (2009), (7) Sydney - Australia (2013), (8) Montpellier - France (2017) and (9) Buenos Aires - Argentina (2021).



CONFERENCE TOPICS & THEMES

Powders & Grains 2025 will cover a range of oral talks and posters addressing both fundamental and applied scientific problems in granular media and suspensions, including:

- Rheology and constitutive modelling of granular media
- Kinetic theory of granular materials: granular gas, gas-solid suspension with cohesive & charged particles
- Jamming, rigidity and shear-thickening transitions
- Polydispersity, segregation, and pattern formation
- Geophysical (sand dune, avalanche, ...), environmental (dust storm, aerosols,...) and planetary (accretion disk, impact cratering) granular processes
- Geomaterials (soil, rock, concrete & minerals) and cement industry
- Powder processing in pharmaceutical industry
- Particulate multiphase flows (fluidization, sediment transport, ...) and porous media
- Particle-based numerical methods (DEM, MD, DSMC, MPM, Fast Spectral with AI / ML Technique)
- Experimental methods for granular mechanics
- Emerging topics: Additive manufacturing & metamaterials, Microgravity, tribo-charging and active particles
- Any other topics.

INVITED SPEAKERS

Axelle Amon, University of Rennes, France

"Emergence and dynamics of a laboratory seismic fault"

Bulbul Chakraborty, Brandeis University, USA

"Emergent Elasticity of Jammed Solids: A Stress-Only Framework"

Benjy Marks, University of Sydney, Australia

"Heterarchical Granular Dynamics"

Catherine O'Sullivan, Imperial College London, England

"Coupled phenomena in soil: Insights from particle-scale simulations"

Devang Khakhar, Indian Institute of Technology Bombay, India

"Computational and experimental analysis of granular flow in hoppers"

Farhang Radjai, University of Montpellier, France

"Stress transmission and fabric states in granular materials"

Ishan Sharma, Indian Institute of Technology Kanpur, India

"Regolith dynamics on small bodies in the Solar System"

Joshua Dijkstra, University of Amsterdam, Netherlands

"Lubrication in dense particle extrusion dynamics"

CALL FOR PAPERS

The official language of the conference is English. The participants are required to submit abstracts through the conference website "www.Powdersandgrains2025.co.in". The abstract submission process begins from August 15th, 2024.

Authors of accepted abstracts will be invited to submit full papers from 1st February 2025 to 31st May 2025.

The conference proceedings will be published online in the journal "EPJ Web of Conferences" (EDP Sciences) in late November 2025. To follow conference news and updates, please subscribe to the mailing list of the conference at the following address: www.powdersandgrains.org

IMPORTANT DATES

Abstract submission:	15th Aug - 31st Jan 2025
Notification of Acceptance of Abstract:	15th Dec - 31st Jan 2025
Deadline for Full Paper Submission:	31st May 2025
Reviewers' Reports Available:	30th June 2025
Paper re-Submission for online Publication:	30th June 2025
Notification of acceptance of papers:	1st August 2025
Decision on Oral/Poster presentation	15th August 2025

REGISTRATION

Registration fees:	Dates	Regular	Student
Early Registration :	10th May to 31st May 2025	590 USD	490 USD
Standard Registration:	1st June - 14th August 2025	630 USD	530 USD
Late Registration:	15th Aug - 31st Oct 2025	700 USD	600 USD
Onsite Registration:	1st Nov - 12th Dec 2025	750 USD	650 USD

The registration fees include access to

1. All talks and Poster sessions
2. Lunches and AM/PM coffee breaks for 5 days (8th to 12th December 2025)
3. Welcome reception on Monday (8th December 2025) evening
4. GALA Dinner
5. A half day excursion to see prominent tourist places in North Goa on Thursday (11th December 2025) afternoon.
6. Registration fee for accompanying person is USD 175.0 for Welcome Reception, Gala Dinner and excursion.

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VENUE-GOA

Novotel Goa Resort & Spa, Candolim

Resort is a 4 minute drive to the Candolim Beach with a host of water sports. Minutes from Calangute and Baga beach. The Bali styled resort overlooks Candolim’s lush paddy fields and hills. The resort features 121 bright comfortable rooms and suites. Beaming around are Asian styles water bodies, lily ponds and a zen inspired tranquility zone. Private cabanas are nestled around the vitality pool with an outdoor jacuzzi. This family friendly property, includes a large supervised kids club and a gym.

