Program Schedule (P&G 2025)

IS: Invited Speaker, CT: Contributed Talk.

DAY 1: Monday, December 8, 2025

(1 Invited & 18 Contributed Talks)

08:00:08:45	Registration (Lotus Ballroom Foyer)		
08:45:09:00	Opening Remarks (AEMMG President & LOC Chair)		
09:00-09:30 25min+4min Q&A	IS	Farhang Radjai Univ Montpellier, France, (Chair: Prabhu R Nott, IISc Bengaluru, India)	Stress transmission and fabric states in granular materials
Session-1		S1: Rheology and	Constitutive Modelling
		(Chairs: Elisabeth G	Guazzelli & Prabhu Nott)
09:30-09:45	СТ	Carmen Lee North Carolina State Univ, USA	The Stress-Force-Fabric relation across shear bands
09:45-10:00	СТ	Ravi Gautam IISc Bengaluru, India	Microstructural anisotropy as the origin of dilatancy
10:00-10:15	СТ	Fu-Ling Yang National Taiwan Univ, Taiwan	Transport mechanism in a photoelastic chute flow due to the evolution of force networks
10:15-10:30	СТ	Max Winkelmann Univ of Twente, Netherlands	The influence of the inter-particle sliding, rolling and torsion resistance on the skew-symmetric stress of sheared granular materials
10:30-11:00		Tea/Coffee with Snacks (Lav	wn adjacent to Conference Hall)
Session-2		S2: Particle-base	d Numerical Methods
		(Chairs: Raul Cruz Hidalgo & Thomas Weinhart)	
11:00-11:15	СТ	T.K. Nguyen (Gael Combe) Hanoi Univ, Vietnam (Univ Grenoble Alpes, France)	Domain heterogeneities in geomaterial modeling: integrating multi-scale FEMxDEM and second-gradient approaches
11:15-11:30	СТ	Sayali V Chaudhary National Chemical Lab, Pune, India	Shear flow of lubricant-coated particles
11:30-11:45	СТ	Laura Cote Martinez TU Delft, Netherlands	A FEM-DEM model for immersed granular flows: from unresolved to semi-resolved scales
11:45-12:00	СТ	Dhairya R Vyas Northwestern Univ, USA	Impact of an improved velocity-Verlet scheme on DEM simulations
12:00-12:45	Flash Talk I (Chairs: Mousumi Mukherjee & Ashish Bhateja)		
	Posters number 1-42 (1 slide per poster in 1 minute)		

12:45-14:00	Lunch		
Session-3	S3: Kinetic Theory and Granular Gas		
	(Chairs: Thorsten Pöschel & Subir Das)		
14:00-14:15	СТ	Satoshi Takada Tokyo Univ Agriculture & Tech, Japan	Discontinuous shear thickening of a moderately dense inertial suspension of hydrodynamically interacting frictionless soft particles
14:15-14:30	СТ	Francisco Vega Reyes Univ de Extremadura, Spain	Memory effects in a vibrated thin granular layer
14:30-14:45	СТ	Saikat Saha IIT Roorkee (& JNCASR Bengaluru), India	Nonlinear hydrodynamic theory for a dilute gas-solid suspension
14:45-15:00	СТ	Fahad Puthalath DLR, Cologne, Germany	Magnetic shaking distributes granular particles homogeneously in micro gravity
15:00-15:30		Flash Talk II (Chairs: Priyanl	ka Shukla & Rajaram Lakkaraju)
		Poster number 43-72 (1 s	slide per poster in 1 minute))
15:30-16:30	F	Poster Session-1 (at IRIS & IVY Ba	Illrooms), with Tea/Coffee & Cookies
Session-4		S4: Experin	nental Methods
		(Chairs: Itai Ein	av & Karen Daniels)
16:30-16:45	СТ	Jan Gabriel Deutsches Zentrum für Luft und Raumfahrt, Germany	Dynamic light scattering on agitated granular media
16:45-17:00	СТ	Cheng-Hsi Hsiao Univ of Texas at Austin, USA	From images to properties: a NeRF-driven framework for granular material parameter inversion
17:00-17:15	СТ	Manasa Bhat IISc Bengaluru, India	Quantifying microstructure and fabric chains in granular materials through X-ray CT experiment
17:15-17:30	СТ	Pushpraj Mandloi Univ of New South Wales, Australia	Characterisation of metal particles in porous sand using spectral induced polarisation
Session-4A	S4A: Geomaterials		
	(Chair: Takashi Matsushima & Arghya Das)		
17:30-17:45	СТ	Michail Komodromos Univ Grenoble Alpes, France	Analysis of two-dimensional displacement fluctuations in granular media
17:45-18:00	СТ	Mousumi Mukherjee IIT Mandi, India	Assessment of 3D strength criteria of sand in the presence of strain localization
18:30-20:00		Welcome Reception & Hig	h Tea (Beverages with Snacks)

DAY 2: Tuesday, December 9, 2025

(2 Invited & 19 Contributed Talks + 2 Short-Talks from Sponsors)

08:00:08:45	Registration (Near Lotus Ballroom)			
08:45-09:15, 25min+4min Q&A	IS	Devang Khakhar, IIT Bombay, India, (Chair: Anugrah Singh, IIT Guwahati, India)	Computational and experimental analyses of granular flow in hoppers	
Session-5		·	egregation and Patterns	
		(Chairs: Manaswita Bose & Abraham Medina)		
9:15-9:30	СТ	Nicolas Taberlet ENS Lyon, France	Oscillations of a slider dragged on a granular bed	
9:30-9:45	СТ	S Joseph Antony Univ of Leeds, UK	Flow behaviour of granular materials: modelling wall adhesion and Its impact on grain segregation	
9:45-10:00	СТ	Nithin Nallani IIT Kanpur, India	Horizontal size-based segregation in a vertically oscillating box with a sloped bottom	
10:00-10:15	СТ	Priyanka Shukla IIT Madras, India	Harmonic resonances in granular plane Couette flow	
10:15-10:30	СТ	Anugrah Singh IIT Guwahati, India	Shear induced migration during suspension transport in regular and random porous media	
10:30-11:30		Poster Session-2 (at IRIS & IVY Ba	allrooms), with Tea/Coffee & Snacks	
Session-6		- 2	nd Planetary Processes	
Session-6		(Chairs: Abdoulaye Fal		
Session-6 11:30-11:45	СТ	- 2	Il & Vanessa Magnanimo) Aeolian transport of cohesive sand	
		(Chairs: Abdoulaye Fal Alexandre Valance	Aeolian transport of cohesive sand Obstacle-induced shape transformations of granular arches in a 3D silo	
11:30-11:45	СТ	(Chairs: Abdoulaye Fal Alexandre Valance Univ of Rennes, France Abhijit Sinha	Aeolian transport of cohesive sand Obstacle-induced shape transformations of granular arches in a	
11:30-11:45 11:45-12:00	СТ	(Chairs: Abdoulaye Fal Alexandre Valance Univ of Rennes, France Abhijit Sinha TIFR Hyderabad, India Sohanjit Ghosh	Aeolian transport of cohesive sand Obstacle-induced shape transformations of granular arches in a 3D silo Pore collapse during impacts in	
11:30-11:45 11:45-12:00 12:00-12:15 12:15-12:30	CT CT	(Chairs: Abdoulaye Fal Alexandre Valance Univ of Rennes, France Abhijit Sinha TIFR Hyderabad, India Sohanjit Ghosh Johns Hopkins Univ, USA Prity Dhanai IIT Delhi, India Anne Mangeney Institut de Physique du Globe de Paris, France	Aeolian transport of cohesive sand Obstacle-induced shape transformations of granular arches in a 3D silo Pore collapse during impacts in granular materials Micromechanical investigation of particle shape effects on dry granular flow interaction with mitigation structures A depth-averaged grain-fluid model with dilatancy and an upper-solid layer	
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11:30-11:45 11:45-12:00 12:00-12:15 12:15-12:30 12:30-12:45 12:45-14:00	CT CT CT	(Chairs: Abdoulaye Fal Alexandre Valance Univ of Rennes, France Abhijit Sinha TIFR Hyderabad, India Sohanjit Ghosh Johns Hopkins Univ, USA Prity Dhanai IIT Delhi, India Anne Mangeney Institut de Physique du Globe de Paris, France Li S7: Particle-based	Aeolian transport of cohesive sand Obstacle-induced shape transformations of granular arches in a 3D silo Pore collapse during impacts in granular materials Micromechanical investigation of particle shape effects on dry granular flow interaction with mitigation structures A depth-averaged grain-fluid model with dilatancy and an upper-solid layer	

14:15-14:30 CT Jacopo Bilotto EPFL, Switzerland Alok Tiwari University of Sheffield, UK Tuniversity of Sheffield, UK Politary (University of Sheffield) 14:45-15:00 CT Yuri D. Sobral Univ de Brasilia, Brazil 15:00-15:15 CT Dalila Vescovi Politecnico di Milano, Italy Politecnico di Milano, Italy ITI Kanpur, India 15:30-16:30 Poster Session-3 (at IRIS & IVY Ballrooms), with Tea/Coffee & Cookles Avalle Amon Univ of Rennes, France (Chair: Jean-Noel Roux, Univ Gustave Eiffel, Paris) Session-8 Session-8 Tr:15-17:30 CT Mathis Thouret IATE, Univ of Montpellier, France 17:30-17:45 CT Luis Sabogal Purdue Univ, USA Rock MECH IT and ITASCA Software Modeling the calendering process of lithium-ion battery electrodes using DEM Modeling the calendering process of lithium-ion battery electrodes using DEM Modeling the calendering process of lithium-ion battery electrodes using DEM Modeling the calendering process of lithium-ion battery electrodes using DEM A regularised version of the Kuwabara-Kono force scheme for 2nd-order convergence in DEM Simulations of granular materials flows between bumpy planes Growth of a wet agglomerate rolling down an inclined granular bed Thou was a wet agglomerate rolling down an inclined granular bed The session-S				
14:30-14:45 CT Alok Hwarl University of Sheffield, UK The property of Sheffield, UK 14:45-15:00 CT Alok Hwarl University of Sheffield, UK The property of Sheffield, UK The property of Sheffield, UK A regularised version of the Kuwabara-Kono force scheme for 2nd-order convergence in DEM simulations of granular materials Pressure-controlled granular shear flows between bumpy planes The politecnic of id Milano, Italy Anurag Tripathi If Kanpur, India Anurag Tripathi If Kanpur, India Poster Session-3 (at IRIS & IVY Ballrooms), with Tea/Coffee & Cookies Axelle Amon Univ of Rennes, France (Chair: Jean-Noel Roux, Univ Gustave Eiffel, Paris) Session-8 Sel Experimental Methods (Chairs: Cino Viggiani & Ted Brzinski) Ital Einav Using X-ray rheography to estimate the University of Sydney, Australia granular media Abraham Medina Instituto Politecnico National, Mexico Mathis Thouret IATE, Univ of Montpellier, France CT Luis Sabogal Purdue Univ, USA Session-Sponsor Sponsors (Chairs: Samik Nag and Arghya Das) Jay Aglawe ROCKMECH IT and ITASCA Software 18:08-18:15 CT Mohan S Nainegali ALTAIR India and GCC Indicate Pressure-controlled granular shear flows between bumpy planes Growth of a wet agglomerate rolling for the wet agglomerate rolling down an inclined granular bed and industrial processes Ital Einav University & INTERPRETATION of Creep response of granular materials University & INTERPRETATION of Creep response of granular materials Bursting cylindrical sand balloons Macroscale signatures of crushing from resonant column tests Software From grains to powders: DEM-based simulation tools for research and industrial processes	14:15-14:30	СТ	-	
14:45-15:00 CT Yuri D. Sobral Univ de Brasilia, Brazil 15:00-15:15 CT Dalila Vescovi Politecnico di Milano, Italy 15:15-15:30 CT Anurag Tripathi IIT Kanpur, India 15:30-16:30 Poster Session-3 (at IRIS & IVY Ballrooms), with Tea/Coffee & Cookies Axelle Amon Univ of Rennes, France (Chair: Jean-Noel Roux, Univ Gustave Eiffel, Paris) Session-8 S8: Experimental Methods (Chairs: Cino Viggiani & Ted Brzinski) Ital Einav Using X-ray rheography to estimate the University of Sydney, Australia granular media 17:15-17:30 CT Mathis Thouret 17:30-17:45 CT Luis Sabogal Purdue Univ, USA Session- Sponsor Sponsors (Chairs: Samik Nag and Arghya Das) From grains to powders: DEM-based simulation tools for research and industrial processes	14:30-14:45	СТ		lithium-ion battery electrodes using
15:00-15:15 CT Politecnico di Milano, Italy 15:15-15:30 CT Anurag Tripathi IIT Kanpur, India 15:30-16:30 Poster Session-3 (at IRIS & IVY Ballrooms), with Tea/Coffee & Cookies Axelle Amon Univ of Rennes, France (Chair: Jean-Noel Roux, Univ Gustave Eiffel, Paris) Session-8 S8: Experimental Methods (Chairs: Cino Viggiani & Ted Brzinski) Ital Einav Using X-ray rheography to estimate the 17:00-17:15 CT University of Sydney, Australia granular media Abraham Medina 17:15-17:30 CT Mathis Thouret IATE, Univ of Montpellier, France 17:15-18:00 CT Luis Sabogal Macroscale signatures of crushing from resonant column tests Session-Sponsor Jay Aglawe ROCKMECH IT and ITASCA Software From grains to powders: DEM-based simulation tools for research and industrial processes	14:45-15:00	СТ		Kuwabara-Kono force scheme for 2nd-order convergence in DEM
15:15-15:30 15:30-16:30 15:30-16:30 16:30 - 17:00 25min+4min QA Session-8 Session-8 CT Ital Einav University of Sydney, Australia Instituto Politecnico National, Mexico Mathis Thouret IATE, Univ of Montpellier, France 17:15-18:00 Session-S Sponsors CT Luis Sabogal Purdue Univ, USA ROCKMECH IT and ITASCA Software Mohan S Nainegali ALTAIR India and GCC Axelle Amon Univ of Rennes, France (Chairs: Earn-Noel Roux, Univ Gustave Eiffel, Paris) Creep response of granular materials Creep response of granular media Daterior Abraham Medina Bursting cylindrical sand balloons Macroscale signatures of crushing from resonant column tests Study on the unsaturated grinding of quartz sand Numerical modelling of geomaterials	15:00-15:15	СТ		G
Axelle Amon Univ of Rennes, France (Chair: Jean-Noel Roux, Univ Gustave Eiffel, Paris) Session-8 Session-8 CT Ital Einav University of Sydney, Australia Abraham Medina I7:15-17:30 CT Instituto Politecnico National, Mexico Mathis Thouret IATE, Univ of Montpellier, France I7:15-18:00 TT:15-18:00 CT Session- Sponsor Sponsor Sponsor I8:00-18:07 CT Mohan S Nainegali ALTAIR India and GCC Creep response of granular materials Atea Brzinski Bursting cylindrical sand balloons Study on the unsaturated grinding of quartz sand Macroscale signatures of crushing from resonant column tests Sponsors (Chairs: Samik Nag and Arghya Das) Numerical modelling of geomaterials Software From grains to powders: DEM-based simulation tools for research and industrial processes			IIT Kanpur, India	down an inclined granular bed
16:30 - 17:00 25min+4min QA IS Univ of Rennes, France (Chair: Jean-Noel Roux, Univ Gustave Eiffel, Paris) Session-8 S8: Experimental Methods (Chairs: Cino Viggiani & Ted Brzinski) Itai Einav Using X-ray rheography to estimate the 3D field of inertial numbers in flowing granular media Abraham Medina 17:15-17:30 CT Instituto Politecnico National, Mexico Mathis Thouret IATE, Univ of Montpellier, France IATE, Univ of Montpellier, France 17:15-18:00 CT Luis Sabogal Purdue Univ, USA Session- Sponsor Sponsors (Chairs: Samik Nag and Arghya Das) 18:00-18:07 CT Mohan S Nainegali ALTAIR India and GCC Creep response of granular materials	15:30-16:30	F	Poster Session-3 (at IRIS & IVY Ba	Ilrooms), with Tea/Coffee & Cookies
Chairs: Cino Viggiani & Ted Brzinski	25min+4min	IS	Univ of Rennes, France (Chair: Jean-Noel Roux, Univ	Creep response of granular materials
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17:00-17:15 CT University of Sydney, Australia granular media Abraham Medina Instituto Politecnico National, Mexico Mathis Thouret IATE, Univ of Montpellier, France 17:15-18:00 CT Luis Sabogal Purdue Univ, USA Session-Sponsor Sponsor Sponsors (Chairs: Samik Nag and Arghya Das) Jay Aglawe ROCKMECH IT and ITASCA Software 18:08-18:15 CT Mohan S Nainegali ALTAIR India and GCC University of Sydney, Australia granular media Bursting cylindrical sand balloons Study on the unsaturated grinding of quartz sand Macroscale signatures of crushing from resonant column tests Numerical modelling of geomaterials simulation tools for research and industrial processes		-		
Australia granular media Abraham Medina Instituto Politecnico National, Mexico Mathis Thouret IATE, Univ of Montpellier, France Luis Sabogal Purdue Univ, USA Session-Sponsor Sponsor Mohan S Nainegali ALTAIR India and GCC Abraham Medina Instituto Politecnico National, Mexico Bursting cylindrical sand balloons Study on the unsaturated grinding of quartz sand Macroscale signatures of crushing from resonant column tests Numerical modelling of geomaterials simulation tools for research and industrial processes	47.00.47.45	СТ		
17:15-17:30 CT Instituto Politecnico National, Mexico Mathis Thouret IATE, Univ of Montpellier, France 17:15-18:00 CT Luis Sabogal Purdue Univ, USA Session-Sponsor Sponsor Sponsors (Chairs: Samik Nag and Arghya Das) Jay Aglawe 18:00-18:07 CT ROCKMECH IT and ITASCA Software Mohan S Nainegali ALTAIR India and GCC Instituto Politecnico National, Mexico Study on the unsaturated grinding of quartz sand Macroscale signatures of crushing from resonant column tests Numerical modelling of geomaterials From grains to powders: DEM-based simulation tools for research and industrial processes	17:00-17:15	CI		-
17:30-17:45 CT IATE, Univ of Montpellier, France Luis Sabogal Macroscale signatures of crushing from resonant column tests Session-Sponsor Sponsors (Chairs: Samik Nag and Arghya Das) Jay Aglawe ROCKMECH IT and ITASCA Software Mohan S Nainegali ALTAIR India and GCC IATE, Univ of Montpellier, quartz sand Macroscale signatures of crushing from resonant column tests Numerical modelling of geomaterials simulation tools for research and industrial processes	17:15-17:30	СТ	Instituto Politecnico National, Mexico	Bursting cylindrical sand balloons
Purdue Univ, USA resonant column tests Session- Sponsor Sponsors (Chairs: Samik Nag and Arghya Das) Jay Aglawe ROCKMECH IT and ITASCA Numerical modelling of geomaterials Software ROCKMECH IT and ITASCA Software Mohan S Nainegali ALTAIR India and GCC From grains to powders: DEM-based simulation tools for research and industrial processes	17:30-17:45	СТ	IATE, Univ of Montpellier,	
Sponsors (Chairs: Samik Nag and Arghya Das) Jay Aglawe 18:00-18:07 CT ROCKMECH IT and ITASCA Numerical modelling of geomaterials Software Mohan S Nainegali ALTAIR India and GCC Sponsors (Chairs: Samik Nag and Arghya Das) From grains to powders: DEM-based simulation tools for research and industrial processes	17:15-18:00	СТ	_	
18:00-18:07 CT ROCKMECH IT and ITASCA Software Numerical modelling of geomaterials Software Mohan S Nainegali ALTAIR India and GCC Numerical modelling of geomaterials From grains to powders: DEM-based simulation tools for research and industrial processes		Sponsors (Chairs: Samik Nag and Arghya Das)		
18:08-18:15 CT Mohan's Nainegali simulation tools for research and industrial processes	18:00-18:07	СТ	ROCKMECH IT and ITASCA	
18:30-20:30 AEMMG Board Meeting		СТ	ALTAIR India and GCC	simulation tools for research and industrial processes
	18:30-20:30		AEMMG B	oard Meeting

DAY: 3, Wednesday, December 10, 2025

(2 Invited & 20 Contributed Talks)

	Catherine O'Sullivan		
Coupled phenomena in soil:	Imperial College London		08:45-09:15
of insignts obtained from mu	(Chair: Stefan Luding, Univ of	IS	25min+4min
particle-scale simulation	Twente, Netherlands)		Q&A
ulata Multiphasa Flows	•		Session-9
S9: Particulate Multiphase Flows			Jessi011-7
(Chairs: Jean-Noel Roux & Rajesh Dave)			
Transition to turbulence in su	Manojit Ghosh	СТ	00.45 00.20
Taylor-Couette flow	JNCASR, India (& Univ	СТ	09:15-09:30
Eally was also done dell'es a Con			
		СТ	09:30-09:45
flows: an overview			
From the micromechanics o			
law to particle-laden flows i		СТ	09:45-10:00
s, media	·		
	Tokyo, Japan		
	Pierre Philippe		
· ·		СТ	10:00-10:15
application to suction-assiste	·		
Flash Talk III (Chairs: Chairs: Anki Reddy and Animesh Pandey)			10:15-10:35
Poster number 73-96 (1 slide per Poster in 1 minute)			
		F	
S10: Jamming and Rigidity			Session-10
(Chairs: Bulbul Chakraborty & Satoshi Takada)			
G		СТ	11:30-11:45
		<u> </u>	11.00 11.15
•			
caking time of amorphous n	Universidade de Lisboa,	CT	11:45-12:00
powders	Portugal		
Specific valume of the most	Calixtro Yanqui		
•	National Univ of Saint	CT	12:00-12:15
disordered spriere pack	Agustine, Peru		
S10A: Granular Liquid (Chair: Joseph Antony)			Session-10A
Forces on a sphere susper	Raul Cruz Hidalgo	СТ	12:15-12:20
flowing granulate	Univ Navara, Spain	Ci	12.15-12.50
Role of constituents of a g	K Anki Peddy		
medium on the lift force exp	-	СТ	12:30-12:45
by a translating and rotating	III TII UPAU, IIIUIA		
Lunch			12:45-14:00
Fully-resolved modelling of star flows: an overview flows: an overview from the micromechanics of law to particle-laden flows is media. Fluidization in cemented uncemented granular soil application to suction-assisted embedment for the following star flowing granular materials near jate of amorphous in powders. Specific volume of the most disordered sphere pack. Liquid (Chair: Joseph Antony) Forces on a sphere susper flowing granulate. Role of constituents of a gemedium on the lift force expended.	Poster number 73-96 (1 Poster Session-4 (at IRIS & IVY B S10: Jamm (Chairs: Bulbul Chake Kiwamu Yoshii Nagoya Univ, Japan Vasco Braz Universidade de Lisboa, Portugal Calixtro Yanqui National Univ of Saint Agustine, Peru S10A: Granular Liqui Raul Cruz Hidalgo	СТ СТ СТ СТ СТ	09:45-10:00 10:00-10:15 10:15-10:35 10:35-11:30 Session-10 11:30-11:45 11:45-12:00 12:00-12:15 Session-10A 12:15-12:30

Session-11	S11: Rheology and Constitutive Modelling		
	(Chairs: Prabhu Nott & Anne Mangeney)		
		Elisabeth Guazzelli	Rheology of dense suspensions of
14:00-14:15	CT	Univ of Paris, France	non-Brownian soft particles across flow
		Only of Faris, France	regimes
		Gautam Vatsa	Continuum modeling of shear
14:15-14:30	CT	IISc Bengaluru, India	dilatancy-induced secondary flow in
		noe bengalara, mala	granular media
		Pappu Acharya	Modelling evolution of flow-induced
14:30-14:45	CT	Univ Grenoble Alps, France	anisotropy of concentrated
		Only Grenoble Alps, Trance	suspensions
		Retief Lubbe	A comparative study of granular
14:45-15:00	CT	Univ of Twente, Netherlands	solid-like and fluid-like constitutive
		Only of twente, recinenands	laws
			Loose, cohesive granular assemblies:
15:00-15:15	СТ	Jean-Noel Roux	constitutive law and microstructure
10.00 10.10	0.	Univ Gustave Eiffel, France	evolution in quasistatic isotropic
			compression
		Dongyun He	
15:15-15:30	CT	Tokyo Univ of Agriculture &	Formation of granular jets
		Tech, Japan	
15:30-16:30	P		Ilrooms), with Tea/Coffee & Cookies
16:30-17:00		Ishan Sharma	
25min+4min	IS	IIT Kanpur, India, (Chair:	Regolith dynamics on small bodies in
Q&A		Sovan Lal Das, IIT Palakkad,	the solar system
		India)	
Session-12	S12: Geophysical & Planetary Processes		
	(Chairs: Alexander Valance & Peidong Yu)		
17:00-17:15	СТ	Kerstin Nordstrom	Pressure waves during granular flows
		Mount Holyoke, MA, USA	in varying gravity environments
		Prasad Sonar	
17:15-17:30	СТ	Central Food Tech. Res. Inst,	Thrust analysis of rocket landing on
		Mysuru, India (& Univ. of	planetary granular surfaces
		Osaka, Japan)	
17:30-17:45	CT.	Tamas Borzsonyi	Effect of particle shape on silo
	CT	WIGNER Research Centre,	discharge
		Budapest, Hungary	
17:45-18:00	СТ	Sounak Das	An experimental study on drag forces
10.00.01.00		IIT Kanpur, India	on obstacles in granular flow
19:00-21:30		Banquet Dinner (at L	otus Ballroom, Novotel)

DAY 4: Thursday, December 11, 2025

(2 Invited & 9 Contributed Talks)

		Doniu Marte	
00 45 00 45		Benjy Marks	
08:45-09:15	10	University of Sydney,	Heterarchical granular dynamics: a
25min+4min	IS	Australia (Chair: Cino	state of the art
Q&A		Viggiani, Univ of Grenobles	
		Alps, France)	
Session-13		S13: Ge	omaterials
		·	mabadi & Matt Evans)
		Manuel Cardenas Barrantes	Liquefaction of crushable granular
09:15-09:30	CT	Polytechnique Montréal,	media: a multiscale numerical analysis
		Canada	media. a muitiscale numerical analysis
			Undrained shearing response of loose
00.20 00.45	СТ	Adil Nazir	sand subjected to different strain paths
09:30-09:45	СТ	IIT Mandi, India	addressing evolution of fabric
			anisotropy and non-coaxiality
00.45.40.00	CT.	Takashi Matsushima	Cell structure of 2D cohesive granular
09:45-10:00	СТ	University of Tsukuba, Japan	solid
			Experimental investigation of the effect
10:00-10:15	СТ	Anusree KV	of grain morphology on packing
		IISc Bengaluru, India	density of granular assemblies
			Combined effects of particle shape and
10:15-10:30	СТ	Subham Chowdhury	strain rate on the ringshear response of
10.13 10.00	<u> </u>	IIT Kanpur, India	granular soil
10:30-11:15		Poster Session-6 (at IRIS & IVV B	allrooms), with Tea/Coffee & Snacks
Session-14			e particles, Microgravity, Al/ML
30331011 11			Sperl & Chuan-Yu Wu)
		Olfa D'Angelo	Granular flows in low gravity: silo
11:15-11:30	CT	Univ de Toulouse, France	discharge and clogging
		onivac rodiouse, rrance	Collective behavior of macroscopic
11:30-11:45	СТ	Sara Levay	photoactive particles: an experimental
11.50-11.45	Ci	Univ Navarra, Spain	
		Subir K. Das	study Density-field structures in a few
11:45-12:00	CT		systems undergoing velocity ordering
		JNCASR Bengaluru, India Dmitry Puzyrev	
12.00 12.15	CT	· · ·	Al-aided visual data analysis for
12:00-12:15	СТ	Otto von Guericke Univ,	granular gases: complex particles, high
		Germany	density, and other challenges
40.45.40.45		Joshua A. Dijksman	
12:15-12:45		Univ Amsterdam,	Agglomeration during reactive
25min+4min	IS	Netherlands (Chair: Karen	extrusion of particle-based biomass
Q&A		Daniels, North Carolina State	pellets
		Univ, USA)	
12:45-14:00			unch
14:00-20:00		Excursion	& Free Time

DAY 5: Friday, December 12, 2025

(1 Invited & 10 Contributed Talks)

		Dealle al Charlanah antar		
08:45-09:15		Bulbul Chakraborty Brandeis University, USA		
25min+4min	IS	(Chair: Thorsten Pöschel,	Rigidity of fragile matter: a	
Q&A	13	Univ. of Erlangen-Nürnberg,	Gauge-theoretic perspective	
QQA		Germany)		
Session-15		2 -	ng and Rigidity	
36331011-13			har & Jose Daniel Munoz)	
		(Chairs: Devarig Kriaki	Stress and fabric evolution in	
		T. Matthew Evans	superellipsoid assemblies: influence of	
09:15-09:30	CT	Oregon State Univ, USA	particle shape under constant mean	
		Oregon State Only, OSA	stress shearing	
			Self-organization, detailed balance, and	
09:30-09:45	СТ	Raphael Blumenfeld	stress-structure correlations in 2D	
07.00 07.10		University of Cambridge, UK	granular dynamics	
			Negative grain-pressures in frictional	
09:45-10:00	СТ	Gael Combe	cohesionless granular media with	
		Univ Grenoble Alpes, France	elongated particles	
40.00.40.45	СТ	Abrar Naseer	Extracting contact forces in bonded	
10:00-10:15	СТ	IISc Bengaluru, India	granular ensembles	
		Fumiaki Nakai	Dislocaton glides in monolayered	
10:15-10:30	CT		granular media: effect of lattice	
		University of Osaka, Japan	constant	
		Martin Trulsson	Alternating shear rotation for dense	
10:30-10:45	CT	Lund University, Sweden	suspensions: influence of the strain	
		·	amplitude	
10:45-11:30	ا	Poster Session-7 (at IRIS & IVY Ballrooms), with Tea/Coffee & Snacks		
Session-16	S16: Particles in Pharma and Food Processes			
	(Chairs: Catherine O'Sullivan & Francois Guillard)			
			Model-guided flow enhancements of	
		Rajesh Dave	fine pharmaceutical powders via dry	
11:30-11:45	CT	New Jersey Institute of	particle coating: linking particle-scale	
		Technology, USA	with bulk-scale through granular Bond	
			number	
44 45 40 00		Tijan Mede	A coupled fluid-granular approach to	
11:45-12:00	СТ	Institute of Metals and	modelling powder stream in directed	
		Technology, Slovenia	energy deposition	
12:00-12:15	СТ	Kiran lyer	Discrete element method simulation of	
		Pfizer Healthcare, India	a twin screw wet granulator	
10.15 10.00		Chuan-Yu Wu	DEM simulation of temperature	
12:15-12:30	СТ	University of Surrey, UK	increases of granular media during	
12:30-13:00		Postor Award Corere	blade mixing	
13:00-14:30			ony and Closing Remarks nd Departure	
13.00-14.30		Lunch ar	iu Departure	