

AIAS2026

Thursday 3 September 2026

Modellazione - BL28 2.1 (15:00 - 16:30)

time	[id] title	presenter
15:00	[257] Modellazione micromeccanica dello snervamento di una ghisa sferoidale EN-GJS-600-3 in condizioni di carico multiassiale	FESTI, Lorenzo
15:15	[278] Numerical Assessment of OFHC Cu Creep in the Demonstration Fusion Power Reactor (DEMO) Divertor Monoblock	BRUNO, Matteo
15:30	[281] Rate-Dependent Spherical and Conical Indentation of soft materials with application to biomechanics	PAPANGELO, Antonio
15:45	[284] Modello di adesione reversibile per materiali viscoelastici	CALIFANO, America
16:00	[292] Modellazione viscoplastica per materiali in alta temperatura in condizione di test di tipo termo-meccanico e service-like	GUAZZINI, Alessandro
16:15	[300] Investigation of the mechanical behaviour of additively manufactured lattice structures using Smart Design algorithms	MARCHETTA, Santi

Friday 4 September 2026

Modellazione - BL28 1.1 (09:00 - 10:30)

time	[id] title	presenter
09:00	[413] Valutazione numerica dei carichi di sloshing in un serbatoio criogenico per LH ₂ mediante approccio FEM-SPH	DE LUCA, Alessandro
09:15	[414] Structural Integrity Assessment of Flexible Aerospace Baffles Comparing Quasi-Static and 2-Way FSI Methods	SERRAINO, Francesco
09:30	[417] Modellazione equivalente di flessibili metallici multistrato mediante omogeneizzazione numerica	RUGGIERO, Andrew
09:45	[419] An entropy-driven approach to thermo-mechanical degradation in metallic structures	Prof. LEPORE, Marcello Antonio
10:00	[425] GNSS: A Graph Neural Network Surrogate for Guided Wave Propagation in Beams	LUCCHETTI, Alessandro
10:15	[451] Semi-Analytical Modelling of Non-Conformal Fretting Contacts Using an Elastic Half-Plane Approach	LAVELLA, Mario

Modellazione - BL28 1.1 (11:30 - 13:00)

time	[id] title	presenter
11:30	[368] An Integrated Multiphysical Framework for the Design, Optimization and Experimental Assessment of Aerospace Metamaterials	CIULA, Andrea
11:45	[370] An Iterative Meshless Method for 2D Contact Problems Based on Radial Basis Functions	CHIAPPA, Andrea GROTH, Corrado
12:00	[373] A study on the effects of the Quantum Computer measurement errors on the Quantum Finite Element Algorithm performance	PETRICONI, Emanuele
12:15	[375] Experimental and Numerical Evaluation of Magnetorheological Fluid-Actuated Metamaterials	MAZZA, Alex
12:30	[407] Metamaterial-Based Passive Noise Control for the Piaggio P.180 Cabin	Ms BRANCACCIO, Carmen FASULO, Giovanni
12:45	[412] Non-linear frictional contact mechanics of visco-hyperelastic materials	LOGLISCI, Michele

Modellazione: 2 - BL28 1.2 (11:30 - 13:00)

time	[id] title	presenter
11:30	[303] Sviluppo di un framework per prevedere e ottimizzare la riparazione di difetti mediante Cold Spray	MARIANI, Alessandro
11:45	[331] Sviluppo di metodi per la manutenzione predittiva di polverizzatori agricoli trainati soggetti a carichi in esercizio	COPPOLA, Filippo
12:00	[338] Electrostatic Particle Acceleration via LINAC: Enabling Next-Generation Solid-State Material Deposition	ARDESHIRI LORDEJANI, Amir
12:15	[344] Modello analitico per la valutazione degli effetti flessionali locali in gusci conici composti flangiati	Dr BELARDI, Valerio G.
12:30	[350] Applicazione di modelli costitutivi per analisi termomeccaniche viscoplastiche a componenti di turbine a vapore	TARICA, Gabriele

12:45	[353] Numerical and Experimental Deformation Analysis of an EPP Component Subjected to Mechanical Loads and Temperature Gradients	SABBATINI, Carlo
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