

Timetable of the STAMM2022

Symposium on Trends in Applications of Mathematics to Mechanics, June 15-17, 2022
Campus Mompiano, Via della Garzetta 48 Brescia (Italy)

Wednesday, June 15th, Aula 1

14:30–15:00	Registration, welcome and greetings	
15:00–15:45	Gianni DAL MASO Trieste, Italy	New results on the jerky crack growth in elastoplastic materials
15:45–16:30	Yasemin SENGÜL TEZEL Cardiff, UK	Stability in nonlinear viscoelasticity via monodromy
16:30–17:00	Coffee break	
17:00–17:45	Martin KRUŽÍK Prague, Czech Republic	Nonlinear and linearized models in thermoviscoelasticity
17:45–18:15	Davide AMBROSI Torino, Italy	A rods model of the mitral valve
18:15–18:45	Randy LLERENA Vienna, Austria	Existence of solutions of a two-phase free boundary problem

Thursday morning, June 16th, Aula 1

9:00–9:45	Dmitry VOROTNIKOV Coimbra, Portugal	Optimal ballistic transport problems and applications to PDE in mechanics and physics
9:45–10:15	Anna PANDOLFI Milano, Italy	Modelling the degeneration of the collagen architecture in a microstructural model of the human cornea
10:15–10:45	Marco SPADINI Firenze, Italy	Periodic perturbations of a class of diffused delay models
10:45–11:15	Coffee break	
11:15–13:00	ISIMM Assembly	
13:00–14:30	Lunch	

Thursday afternoon, June 16th, Aula 1

14:30-14:40	Laudatio for the Senior Prize	
14:40-15:30	Irene FONSECA Pittsburgh, USA	Phase Separation in Heterogeneous Media
15:30-15:40	Laudatio for the Junior Prize	
15:40-16:30	Manuel FRIEDRICH Erlangen, Germany	Linearization of models with surface discontinuities
16:30-17:00	Coffee break	
17:00-17:45	Bettina DETMANN Essen, Germany	Sound waves in poroelastic media with one, two or three pore fluids
17:45-18:15	Francesco SAPIO Vienna, Austria	Quasistatic limit of a dynamic viscoelastic model with memory
18:45-20:15	Excursion: guided tour of Brescia	
20:30	Conference Dinner (Centro Paolo VI, Via Gezio Calini 30, Brescia)	

Friday, June 17th, Aula 2

9:30-10:15	Barbora BENEŠOVÁ Prague, Czech Republic	A variational approach to fluid-structure interaction
10:15-11:00	Luigi VERGORI Perugia, Italy	Equilibrium textures on nematic shells
11:00-11:30	Luca BISCONTI Firenze, Italy	On the convergence rates for the three-dimensional filtered Boussinesq equations
11:30-12:00	Coffee break	
12:00-12:45	Paolo BISCARI Milano, Italy	Ericksen-Landau strain energies for planar crystal mechanics
12:45-13:15	Davide RICCOBELLI Milano, Italy	Mathematical modelling of initially stressed materials
13:15-14:45	Lunch	
14:45-15:15	Giulio Giuseppe GIUSTERI Padova, Italy	Modelling shear jamming and fragility of concentrated suspensions
15:15-16:00	Raimondo PENTA Glasgow, UK	Poroelasticity derived via asymptotic homogenization - Mathematical modelling and numerical simulations. State of the art, further perspectives, and extension to poroelastic composites
16:00	Closing	