

Timetable of the STAMM 2024

Symposium on Trends in Applications of Mathematics to Mechanics

Biannual symposium of the International Society for the Interaction of Mechanics and Mathematics e.V. (ISIMM), <https://isimm.net/>

April 3-5, 2024. All times in CEST.

University of Würzburg, Graduate School of Life Sciences, Hubland Campus Nord, Beatrice-Edgell-Weg 21, 97074 Würzburg (Germany)

Wednesday, April 3th, Lecture Hall

14:30–15:00	Registration	
15:00–15:05	Welcome and greetings	
15:05–15:50	Chiara GAVIOLI Prague, Czech Republic	A model for lime consolidation of porous solids
15:50–16:20	André ERHARDT Weierstrass Institute for Applied Analysis and Stochastics, Germany	Mathematical modeling of cell-hydrogel interactions
16:20–16:50	Coffee break	
16:50–17:35	Tomáš ROUBIČEK Prague, Czech Republic	Thermomechanical models for finitely-strained viscoelastic solids and related mathematical aspects
17:35–18:20	Eliot FRIED Okinawa, Japan	Isometric and isoenergetic everting motions of elastic binormal scrolls with closed midlines

Thursday morning, April 4th, Lecture Hall

9:00–9:45	Karoline DISSER Kassel, Germany	Global solutions and non-trivial long-time behaviour for fluid-elastic interaction with small data
9:45–10:30	Giuseppe FLORIO Bari, Italy	Exploring the impact of thermal fluctuations on models of adhesion
10:30–11:00	Alessandro MUSESTI Università Cattolica del Sacro Cuore, Italy	On the modeling of activation in anisotropic biological materials
11:00–11:15	Coffee break	
11:15–13:00	ISIMM Assembly	
13:00–14:30	Lunch	

Thursday afternoon, April 4th, Lecture Hall

14:30–14:40	Laudatio for the Senior Prize by Ulisse Stefanelli	
14:40–15:30	Alexander MIELKE Berlin, Germany	Non-Equilibrium Steady States for port gradient systems
15:30–15:40	Laudatio for the Junior Prize by Martin Kružík	
15:40–16:30	Marco BRESCIANI Erlangen-Nürnberg, Germany	Variational models with Eulerian-Lagrangian formulation allowing for material failure
16:30-17:00	Taking the group photo	
17:00-18:00	Bus ride/walk to the hotel and/or meeting point in Würzburg city centre	
18:00–19:30	Guidetour Würzburg (meeting point: Würzburg City Theatre, Theaterstraße 21, 97070 Würzburg)	
19:30	Conference Dinner (Alte Mainmühle, Mainkai 1, 97070 Würzburg)	

Friday, April 5th, Lecture Hall

9:30-10:15	Marita THOMAS Berlin, Germany	Analysis of a model for visco-elastoplastic two-phase flows in geodynamics
10:15-11:00	Bilen Emek ABALI Uppsala, Sweden	Thermodynamic modeling of curing polymers
11:00–11:30	Coffee break	
11:30-12:00	Bianca STROFFOLINI Naples, Italy	Mathematical analysis of models for ferronematics in two dimensions
12:00-12:30	Christian WIENERS Karlsruhe, Germany	Dynamic phase-field fracture for elastic waves
12:30	Closing und Lunch	