

		5th February 2025 – Wednesday
10:00	11:30	REGISTRATION
11:30	12:30	LUNCH
12:30	12:40	OPENING
12:40	13:00	Remi Abgrall: Uniformly high-order bound-preserving OEDG schemes for two-phase flows
13:00	13:20	Aaron Baier-Reinio: High-order finite element schemes for three-dimensional multicomponent convection-diffusion
13:20	13:40	Dieter Bothe: Sharp interface modeling of multicomponent two-phase fluid systems
13:40	14:00	Miroslav Bulíček: Compressible heat conducting mixtures - existence analysis
14:00	14:30	BREAK
14:30	14:50	Marco ten Eikelder: Phase-field modeling and computation of mixture flows
14:50	15:10	Patrick Farrell: Electroneutrality in Onsager-Stefan-Maxwell models with charged species
15:10	15:30	Jürgen Fuhrmann: Two point flux finite volume methods for mixture flows in porous media
15:30	15:50	Andrea Giorgini: Navier-Stokes-Cahn-Hilliard system with chemotaxis
15:50	16:20	BREAK
16:20	16:40	Vincent Giovangigli : High pressure multicomponent flows
16:40	17:00	Maurizio Grasselli: Models of incompressible two-phase flows with surfactant
17:00	17:10	BREAK
17:10	18:00	TAG MEETING – Ivana Herglová: Funding opportunities
18:00		WELCOME DRINK

		6th February 2025 – Thursday
08:30	08:50	Martin Heida: Modelling intercalation processes in batteries
08:50	09:10	Katharina Hopf: Analysis of entropic cross-diffusion systems of hyperbolic-parabolic type
09:10	09:30	Jaroslav Hron: Mixture model for solids infused with a fluid
09:30	09:50	Jonas Knoch: Modeling and simulation of magneto two-phase flow for magnetic drug targeting
09:50	10:20	BREAK
10:20	10:40	Kars Knook: Preconditioners for multicomponent flows
10:40	11:00	Maria Lukacova: Analysis and numerics of viscoelastic phase separation
11:00	11:20	Ewelina Zatorska: An update on the analysis of the multiphase compressible flows
11:20	11:40	Annamaria Massimini: A finite volume scheme for a generalized Poisson-Nernst-Planck system with cross-diffusion
11:40	12:40	LUNCH
12:40	13:00	Karel Tůma: Numerical investigation of beta-to-omega transformation in titanium alloys
13:00	13:20	Luca Scarpa: The role of randomness in stochastic phase-field modelling
13:20	13:40	Ilya Peshkov: Cartan's moving frames in application to a continuous mixture theory
13:40	14:00	Andrea Poiatti: Lipid rafts on cell membranes: modeling and analysis
14:00	14:25	BREAK
14:25	14:45	Andrea Signori: Dynamics of active droplet formation in reaction-driven Cahn-Hilliard models
14:45	15:05	Helmut Abels: Diffuse interface models for two-phase flows of viscous incompressible fluids
15:05	15:25	Clément Cancès: Unified formulation for multiphase reactive flash
15:25	15:45	Christian Rohde: Hyperbolic approximations of Navier-Stokes-Cahn-Hilliard systems
15:45	16:05	Ferdinand Thein: Multiphase flows and hyperbolic PDEs - A mixture of topics
16:05	16:30	BREAK
16:30	16:50	CONFERENCE PHOTO
16:50	18:00	TAG MEETING – STATUTES APPROVAL, PLANS FOR NEXT YEAR
19:00		SOCIAL DINNER

		7th February 2025 – Friday
09:00	09:20	Šárka Nečasová: On the problem of a Baer-Nunziato system
09:20	09:40	Margherita Zanella: Long time behavior of the solution to a stochastic Allen-Cahn-Navier-Stokes system with logarithmic potential
09:40	10:00	Umberto Zerbinati: Diffuse interface model for calamitic fluids
10:00	10:20	Vít Průša: Effective models for mechanical response of metamaterials
10:20	10:50	BREAK
10:50	11:10	Bruno Despres: A linear Landau damping phenomenon in thick spray models
11:10	11:30	Giordano Tierra Chica: Finite element schemes for the Navier-Stokes-Cahn-Hilliard system with degenerate mobility
11:30	11:50	Michal Pavelka: Is superfluid helium a mixture?
11:50	12:10	Josef Málek: A thermodynamic framework for heat-conducting flows of mixtures of two interacting fluids
12:10	12:30	CLOSING
12:30	13:30	LUNCH