Monday, 9 March 2026

16.00
Opening
Giacomo Baldi, Raffaello Potestio, and Marco Zanatta

Special session:
in memory of Uli Buchenau

Chair: Giacomo Baldi
16.10 Aldo Fontana
Uli Buchenau
16.20 Miguel Ángel Ramos
Uli Buchenau and the soft potential model
16.40 Alexei P. Sokolov
The journey with Uli: from fast dynamics to structural relaxation
17.00 Stefanie Buchenau
Memories of my father

17.10 **Coffee Break**

Chair: Beatrice Ruta
17.40 Haiyang Bai
Breaking the vitrification limitation of monatomic metals
18.00 Eloi Pineda
Evolution of structural dynamics in metallic glassformers during glass transition and physical aging
18.20 Rui Zhao
Observation of glass transition occurring on surfaces of metallic glasses

20.00 **Dinner** at Hotel La Bussola

Tuesday, 10 March 2026

Chair: Jeppe Dyre

9.00 Peng Luo
Emergence of a long-range interfacial relaxation in supercooled liquids

9.20 Giulio Monaco
At the crossover between quasi-localized dynamics and diffusion in deeply supercooled liquids

9.40 Gerhard Jung
Numerical investigation of the equilibrium Kauzmann transition in a two-dimensional atomistic glass

10.00 Nils Holle
Collective structural relaxation in glassy antimony

10.20 Francesco Dallari
Mechanisms of the X-ray induced fluidization in inorganic glasses

10.40 **Coffee Break**

Chair: Simone Napolitano

11.10 Federico Caporaletti
Can slow liquid dynamics release stress in confined polymers?

11.30 Catalin Gainaru
Revised MN rules for relaxation and transport phenomena in liquids and polymers

11.50 Felix Lehmkühler
XPCS in soft matter: From sub-microsecond nanogel collapse to multi-decade colloidal gelation

12.10 Jeppe C. Dyre
The material-time concept in physical aging

12.30 Thomas Franosch
Static and dynamic properties of modulated colloidal monolayers

12.50 **Lunch Break**

Chair: Thomas Schrøder

16.00 Simone Capaccioli
Complex water dynamics in aqueous mixtures spanning a wide concentration-temperature-pressure range

16.20 Sandra Krüger
Low-temperature water dynamics in confinement and mixtures

16.40 Ari Paavo Seitsonen
On the importance of the long-range, electro-static interaction in water

17.00 Andrea Corradini
Hunting for the critical point: the twelve anomalies of liquid tellurium

17.20 - 18.50
Poster session
with cheese and wine tasting

20.00 **Dinner** at Hotel La Bussola

Wednesday, 11 March 2026

Chair: Giulio Monaco

9.00 Misaki Ozawa
Creating bulk ultrastable glasses by random particle bonding

9.20 Cristian Rodriguez-Tinoco
Real-time observation of the heterogeneous relaxation of a glass

9.40 Lara Piemontese
Temperature-dependent relaxation pathways in a $GeSe_2$ glass: an XPCS study

10.00 Fabio Brugnara
X-ray driven amorphous-amorphous transitions in v-GeO_2

10.20 Till Böhmer
The material time of physical aging - and beyond

10.40 **Coffee Break**

Chair: Giancarlo Ruocco

11.10 Hajime Tanaka
Microscopic origin of the boson peak in model glasses

11.30 Walter Schirmacher
The influence of frozen-in stresses on the vibrational excitations in glasses

11.50 Daria Szewczyk
Substitution-driven glassy anomalies in benzene derivatives: the role of methyl and chlorine arrangement

12.10 Anaël Lemaître
The vibrational spectrum of silica: hidden counting rules and microstructural determinants

12.30 Denis Nabari
High-frequency sound attenuation of vitreous silica probed by extreme UV transient grating spectroscopy

12.50 **Lunch Break**

Chair: Raffaello Potestio

16.00 Claudio Maggi
Continuous phase transitions in active particles matter

16.20 Roberto Menichetti
Artificial life of an active droplets system: a quantitative lifecycle analysis

16.40 Foivos Perakis
Coherent X-ray scattering of fluctuations and dynamics in complex systems

17.00 **Coffee Break**

Chair: Walter Schirmacher

17.30 Federico Ricci-Tersenghi
Soft modes in vector spin glass models on sparse random graphs

17.50 Luca Leuzzi
Multiphoton quantum simulation of a generalized dense Hopfield neural network

18.10 Rolf Zeißler
On the role of molecular details in structural relaxation

18.30 Aleksander Krivchikov
Linear low-temperature heat capacity in graphite-derived nanostructures

20.00 **Dinner** at Hotel La Bussola

Thursday, 12 March 2026

Chair: Simone Capaccioli

9.00 Thomas B. Schrøder
Dynamics of viscous liquids and the random barrier model

9.20 Stefano Mossa
Competing length scales and screening in dense electrolytes

9.40 Taras Bryk
Which processes define the propagation of collective excitations in simple and binary liquids?

10.00 Laurence Noirez
When liquids flow on solids: unexpected deep liquid-solid THz coupling

10.20 Jesper Schmidt Hansen
Polarization dynamics

10.40 **Coffee Break**

Chair: Hajime Tanaka

11.10 Minqiang Jiang
Unified theory of phonon in solids with phase diagram of non-Debye anomalies

11.30 Matthias Fuchs
On the Euclidean random matrix model of vibrations in glass

11.50 Josep Lluís Tamarit
Unveiling glass-like behavior in molecular crystals with minimal disorder

12.10 Søren Strandskov Sørensen
Decoupling density and disorder effects on the boson peak in metal-organic frameworks

12.30 Mariangela Ruggeri
Emergent glass-like dynamics and low-energy excitations in cesium halide perovskites

12.50 **Lunch Break**

Chair: Felix Lehmkühler

16.00 Johannes Möller
Photon correlation methods at the MID instrument at European XFEL

16.20 Noemi D'Abbondanza
Development of heterodyne brillouin microscopy

16.40 Peihao Sun
Setup combining fast scanning calorimetry with X-ray total scattering

17.00 **Coffee Break**

Chair: Claudio Maggi

17.30 Lorenzo Rovigatti
A phase-field model for solutions of DNA-made particles

17.50 Greta Grassmann
A minimal molecular model for probing the role of RNA in protein condensates

18.10 Carolina Palombo
Polycatenane assembly with TopoII in toroidal confinement

18.30 Simone Scalise
A microfluidic device for single-cell analysis of T-cell growth and proliferation

20.00 **Gala Dinner** at Hotel La Bussola

Friday, 13 March 2026

Chair: Thomas Franosh

9.00 Mattia Miotto

Symmetry-breaking processes drive multicellular rosette morphogenesis

9.20 Simone Napolitano

Tiny movements, big changes: When slow dynamics decides how fast liquids and glasses relax

9.40 Alessandro Martinelli

Hierarchical dynamics and time-length scale superposition in glassy suspensions of ultra-low crosslinked microgels

10.00 Raffaele Pastore

Fickian yet non-Gaussian: a new paradigm for diffusion in glassy materials

10.20 Andrij Trokhymchuk

Complex assemblage of a simple system: bimodalities of local ordering in 2D hard disks

10.40 **Coffee Break**

Chair: Miguel Ángel Ramos

11.10 Stephen Elliott

Chiral crystallization of amorphous tellurium

11.30 Kohsaku Kawakami

Relevance between molecular cooperativity and nucleation of organic glasses

11.50 Michele Magnozzi

Exploring in real time the thermal annealing of amorphous mixed oxide coatings

12.10 Mattia Biesuz

Relaxation phenomena during chemical tempering of soda-lime silicate glass

12.30 Marta Ruiz

Thermal stability of organic semiconductor thin film glasses by local changes in spontaneous orientation polarization

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12.50 - 13.00

Conclusive remarks

Posters

Abolfazl Ahmadirahmat
Light-induced caging in colloidal suspensions

Giacomo Baldi
Effect of glass stability on the low frequency vibrations of vapor deposited glasses.

Beatrice Baraldi
In-situ XRD tracking of structural changes in metallic glasses during thermal scans

Simone Capaccioli
Calorimetric analysis of deposited amorphous GeTe and its relevance for phase-change materials applications

Federico Caporaletti
Predicting the crystal growth rate at the surface of molecular glasses

Domenico Caudo
Coupling growth strategies to organelle partitioning noise explains generation-dependent biases in cell proliferation

Gabriel Cuello
Extraction of real-space correlation functions from neutron total scattering experiments

Fausta Desantis
Monte Carlo-based design of an inhibitory peptide to impede pathogenic dimerization in a misfolded antibody light chain

Lorenzo Di Rienzo
Computational approaches to describe biomolecular interactions: exploring their implications in molecular design

Jepsinraj Kakkuzhiyulla Parambath
NMR studies of water and ion dynamics in synthetic fluoro-hectorite

Francesco Pecorella
Description of the complete phase diagram of GeTe with a single machine learning potential

Eloi Pineda
Quantitative assessment of physical aging on the dynamical heterogeneity of amorphous alloys: Insight from stress relaxation

Robert Schlothauer
A mode-coupling theory of the glass transition for polydisperse systems

Finn Wolter
NMR Study on the dynamics of ice in bulk and confinement

Ronen Zangi
Modeling liquid-liquid phase diagrams of thermoresponsive materials

Simone Ziglio
Temeprature-dependent structural evolution in a strong glassformer: the case of v-GeO_2

Xu Zongrui
Revealing hierarchical relaxation pathways during physical aging of metallic glasses