



Glastag 2014

Institut für Physik
Universität Augsburg
Monday, October 6th - Tuesday, October 7th, 2014

UNI
Universität
Augsburg
University



Organization:

Prof. Dr. A. Loidl and PD Dr. Peter Lunkenheimer
Secretary: Anny Skroblies

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Program

Venue:

Hotel am Alten Park
Frölichstrasse 17, 86150 Augsburg

Monday, October 6th

13:00 Welcome: Arrival and snacks

Talks

13:45 **A. Loidl:** Introduction

14:00 **K.L. Ngai:** Experimental evidences for universal properties of many-body relaxation and diffusion

14:45 **G. Diezemann:** Nonlinear response theory for Markov processes: Simple models

15:30 **E. Rößler:** From boiling point down to T_g – Evolution of the dynamic susceptibility of molecular and ionic liquids

16:15 Coffee

16:45 **F. Ladieu:** A new control parameter for the glass transition of glycerol evidenced by a new kind of nonlinear experiment

Presentations of the Projects of Research Unit FOR 1394

17:30 **B. Riechers:** Non-linear Response of amorphous solids in dielectrical and mechanical Analysis (Project 1: Samwer)

17:50 **T. Sentjabrskaja:** Binary colloidal glasses investigated by DDM (Project 2: Laurati, Egelhaaf)

18:10 **F. Frahsa:** On creep in stress-controlled rheology (Project 3: Voigtmann, Fuchs)

19:00 Dinner





Tuesday, October 7th

Talks

09:00 **W. Schirmacher:** Theory of heterogeneous viscoelasticity
09:45 **T. Rizzo:** Qualitative features of the Glass Crossover

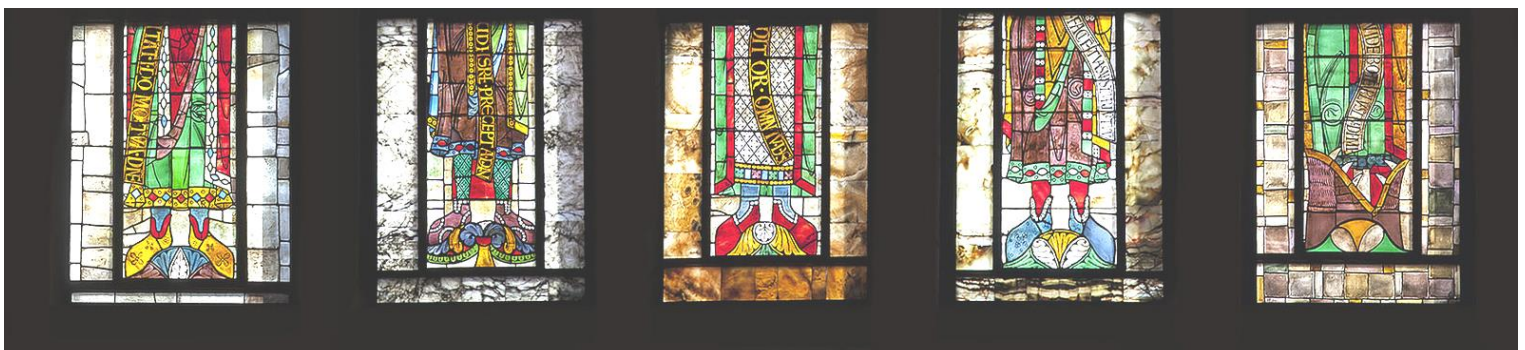
10:30 Coffee

Presentations of the Projects of Research Unit FOR 1394

11:00 **M. Blank-Burian:** PEL analysis of sheared supercooled fluids (Project 4: Heuer)
11:20 **H. Mizuno:** Elastic heterogeneities in granular solids (Project 6: Sperl, Zippelius)
11:40 **L. Patro:** Nonlinear ion transport in glass-forming ionic liquids: Frequency dependence of higher-order conductivity coefficients (Project 7: Roling)
12:00 **S. Mandal:** Multiple reentrant glass transitions in confined hard-sphere glasses (Project 8: Horbach, Franosch)
12:20 **M. Michl:** Nonlinear dielectric spectroscopy in plastic crystals (Project 9: Lunkenheimer, Loidl)

12:40 PI Meeting

13:30 Lunch





Young Researcher School 2014

Research Unit FOR 1394

Wednesday, October 8th - Friday, October 10th

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Program

Venue: Institute of Physics (South Building, EKM), Building S, Room 4A - 403

Wednesday, October 8th

09:00 – 10:30 K.L. Ngai: Open questions in glass physics

10:45 – 12:15 K. Samwer: Metallic glasses

Lunch

14:00 – 15:30 W. Schirmacher: Theory of the Boson Peak

15:30 – 17:00 Open discussion

Thursday, October 9th

09:00 – 10:30 A. Loidl: The Physics of Glasses

10:45 – 12:15 P. Lunkenheimer: Dielectric Spectroscopy

Lunch

14:00 – 15:30 M. Wolf, S. Emmert: Dielectric and THz spectroscopy on bioderived matter

15:30 – 17:00 Open discussion

Friday, October 10th

09:00 – 12:00 Lab visits, open discussion, further cooperation

