

SYMPOSIUM DETAILS

Regular Participant:

250 Euro

Student Participant:

150 Euro

The registration fee includes

welcome reception, lunches,
refreshments during breaks and
poster sessions

Please register to the symposium and remit the
symposium fee via the symposium web page

<http://SGS-2019.wwu.de>

Cash payment at the symposium office is possible

ABSTRACT SUBMISSION AND DEADLINES

The symposium program consists of invited lectures and a poster session

Please submit abstracts for the poster
contributions to SGS-2019.wwu.de

Submission deadline: March 11, 2019

SYMPOSIUM VENUE

The symposium will be held at the Center
for Soft Nanoscience (SoN) of the University
of Münster.

Address:

Busso-Peus-Straße 10
48149 Münster.

Münster is easy to access from the airports of
Münster-Osnabrück (FMO), Dortmund (DTM) and
Düsseldorf (DUS).

ORGANIZING COMMITTEE

Prof. Dr. Gerhard Wilde (Germany)

Prof. Dr. Lanhong Dai (China)

CORRESPONDENCE

Symposium Secretariat:

Sino-German 2019

c/o Prof. G. Wilde

University of Münster

Institute of Materials Physics

Wilhelm-Klemm-Str. 10

48149 Münster, Germany

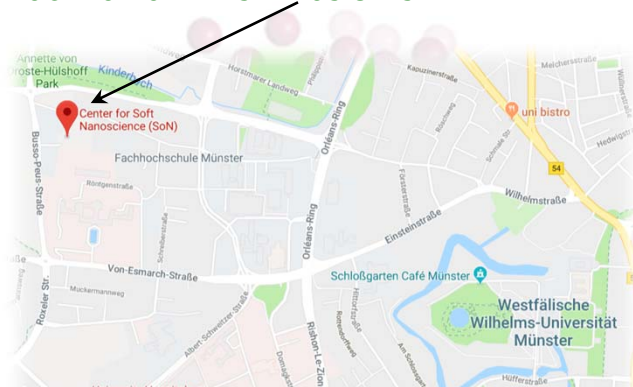
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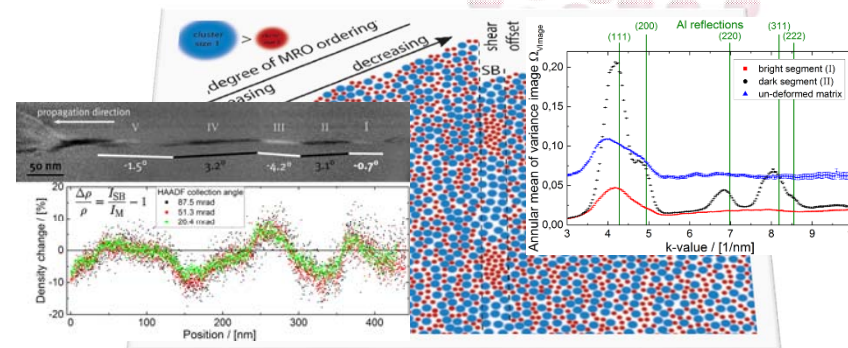
email: SGS-2019@wwu.de

web: <http://SGS-2019.wwu.de>

LOCATION OF THE SYMPOSIUM SITE



living.knowledge
WWU Münster



2019 SINO-GERMAN SYMPOSIUM

Universal aspects of disordered
systems:

The generic cases of metallic
glasses and colloids

Münster, Germany

March 18-22, 2019



WESTFÄLISCHE
WILHELMS-UNIVERSITÄT
MÜNSTER

SCOPE OF THE SYMPOSIUM

While metallic glasses are disordered systems with rather simple atomic interactions, colloids allow manipulations and observations on the single particle level. Both these material classes present models of disordered systems allowing analyses of structure-property relations and materials' response upon external excitations with complementing opportunities with the focus on heterogeneous dynamics, shear localization, shear band formation and avalanche dynamics.

The symposium present a unique platform to utilize the complementing generic advantages, control parameters and specific analysis tools available for these two different classes of disordered materials and to approach a unified view concerning the underlying physical mechanisms that lead to system-independent universal behavior of disordered systems with respect to glass relaxation, aging, rejuvenation and shear response.

We expect in-depth discussions during the symposium and collaborations emerging from these discussions will contribute to deepen the understanding of metallic glasses and glass-formation.

Both theoretical and experimental aspects of metallic and colloidal glasses and their dynamics will be addressed. We believe that the similarities and differences of metallic glasses and colloidal glasses resembling hard-sphere systems are valuable to be explored since both types of systems complement each other, especially concerning the options for manipulation and structure-property correlations.

<http://SGS-2019.wwu.de>

SYMPOSIUM TOPICS

The workshop will focus on following timely and important topics:

- Metallic glasses, colloids and simulated systems
- Atomic structure and Relaxations
- Aging and Rejuvenation
- Strain response of disordered media
- Transport phenomena in structurally disordered media
- Yielding, Flow, Fracture and Failure
- Emergence of new structures and phenomena

EXPECTED OUTCOME OF THE SYMPOSIUM

Scientists in China and Germany have greatly benefitted from the previous three symposiums in Beijing (2010), Cologne (2012) and Hefei (2015) and the resulting Sino-German collaborations.

This Sino-German symposium will significantly contribute to the development and utilization of many large-scale scientific facilities in China which are powerful tools to probe disordered systems. In addition to the scientific exchange, the proposed workshop will also benefit young scientists (including Ph.D. students, postdoctoral researchers and young faculty) from both China and Germany. These young scientists are encouraged to freely join the symposium and explore possible opportunities for collaborations with each other.

A special poster session is planned with a focus on young researcher presentations to facilitate a free exchange of ideas with benefits from friendly atmosphere and promotion of a cultural exchange between China and Germany

PROGRAMME

Welcome Reception

Sunday, March 17, 19:00

Start of scientific programme

Monday, March 18

End of scientific programme

Thursday, March 21

Monday-Tuesday

Poster session is open throughout the symposium

Thursday evening

Symposium dinner

SPEAKERS

Wei Hua Wang

Konrad Samwer

Matthias Fuchs

Mao Zhi Li

Jürgen Horbach

Hai Bin Yu

Karsten Albe

Yong Zhang

Jeppe Dyre

Andreas Heuer

Fan Yang

Herbert Gleiter

Jian Xu

Yuje Wei

Jörg Löffler

Peng Fei Guan

Sergiy Divinski

Ralf Busch

Andreas Meyer

Bo Zhang

Thomas Voigtmann

Stefan Egelhaaf

Jürgen Eckert

Qiaoshi "Charles" Zeng

Fathollah Varnik

Horst Hahn

Na Chen

Lan Hong Dai

Gerhard Wilde

Gang Wang

Min Qiang Jiang

Bao An Sun

Wu Yuan

Lin Tian

Harald Rösner

Thomas Palberg