

The World

around us is ever changing. It is one of the main challenges of modern science to rationalize these kinetic processes in areas extending from physics via chemistry to biology. A deeper understanding of kinetic processes has far reaching implications for technology and environment.

Neutrons

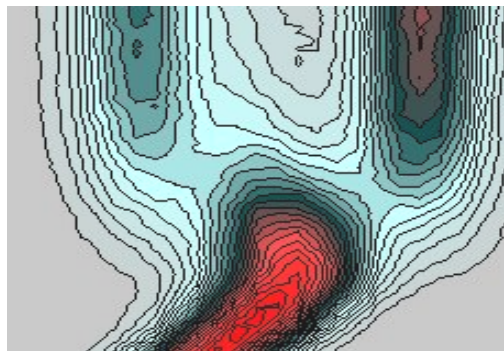
are known to be extremely versatile probes for the investigation of structure and dynamics in condensed matter. Due to their large penetration depth they are able to penetrate large samples unperturbed by sophisticated and advanced sample environments. The advent of new high intensity neutron sources and instruments as well as the development of new real-time techniques allows for the tracking of transformation processes in condensed matter on a microscopic scale. The evolution not only of structural details but also of dynamical properties and chemical bonding far from equilibrium can be studied by time-resolved neutron scattering over a broad range of time. This information is particularly useful for the development of new materials and the exploration of transformation mechanisms. Hence, kinetics with neutrons is a new and exciting field of neutron research with strong implications for applied science.

The Scope

of this symposium is to bring together neutron experts as well as scientists from different fields of chemistry, physics, biology, materials science and geo-sciences from Europe, the United States and Australia to discuss existing results and possible new applications and future prospects of time-resolved techniques. It is an important aspect of the meeting to see what other experimental techniques like synchrotron radiation achieve in this field and where theoreticians see future challenges.

The following topics will be covered:

- experimental techniques for real-time neutron scattering
- diffraction during chemical processes and phase transitions
- real-time small-angle scattering from soft and hard matter
- time-dependent dynamics
- prospects for time-resolved reflectivity



Scientific programme

The scientific programme will consist of invited lectures as well as oral and poster contributions. The proceedings will be published in the *European Physical Journal - Special Topics*. Moreover, a special volume of *Springer Series in Solid State Sciences* with a collection of invited papers will provide a broad overview of the field.

Outline of the programme:

Thursday, September 27th 2007:

registration
lectures and posters starting at 9 a.m.
evening lecture in the Aula building of
the Georg-August University
conference dinner

Friday, September 28th 2007:

lectures and posters starting at 9 a.m.
official part closes at 6 p.m.

Saturday, September 29th 2007:

Optional Sightseeing Tours

Important dates

February 1 st :	Start of registration
July 31 st :	Deadline for early registration
June 6 th :	Deadline for submission of abstracts
September 27 th :	Start of the conference and deadline for submission of manuscripts

Registration

On-line at www.skin2007.de

registration fee:

60 € (payment before July 31st)

70 € (payment after August 1st)

40 € (students)

lunch-ticket: 5.75 €/day

extra fee for sightseeing tour: 5 €

The registration fee includes coffee breaks, conference dinner, book of abstracts and a copy of the proceedings.

Young scientists are encouraged to apply for financial support.



Conference Site

The conference will be held in the new building of the faculty of physics located at the northern campus of the Georg-August University Göttingen. Lunch can be taken in the student's refectory close to the lecture hall.

The city of Göttingen is easily reached

- by car via the motorway A7
- by train along the main ICE link Hamburg/Bremen/Berlin - Munich/Frankfurt
- by plane via Frankfurt Airport or Hanover Airport

www.skin2007.de

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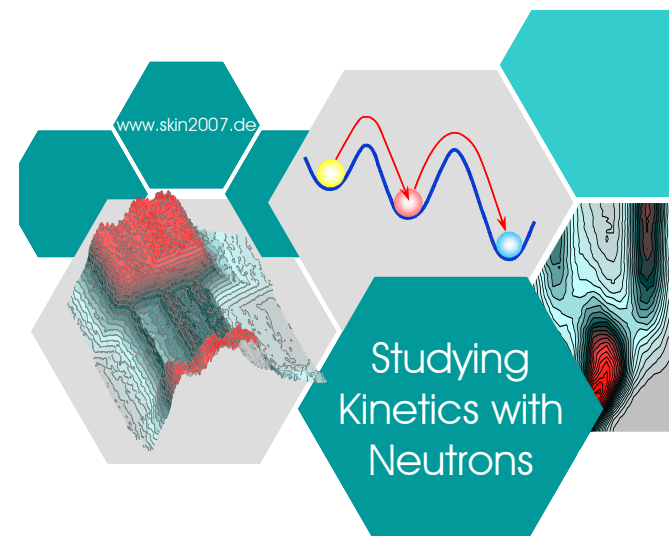
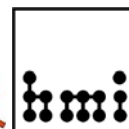
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The conference is supported by



International Symposium
on Time-Resolved Processes
in Condensed Matter

SKIN2007

27-28 September 2007
Georg-August University of Göttingen

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