

REGISTRATION

Fax: +49.9131.852 08 60

administration@eam.uni-erlangen.de

Registration for the symposium

Please register before July 8, 2011
using a separate form for each person.

.....
Company/Institute

.....
Name

.....
Department/Position

.....
Street

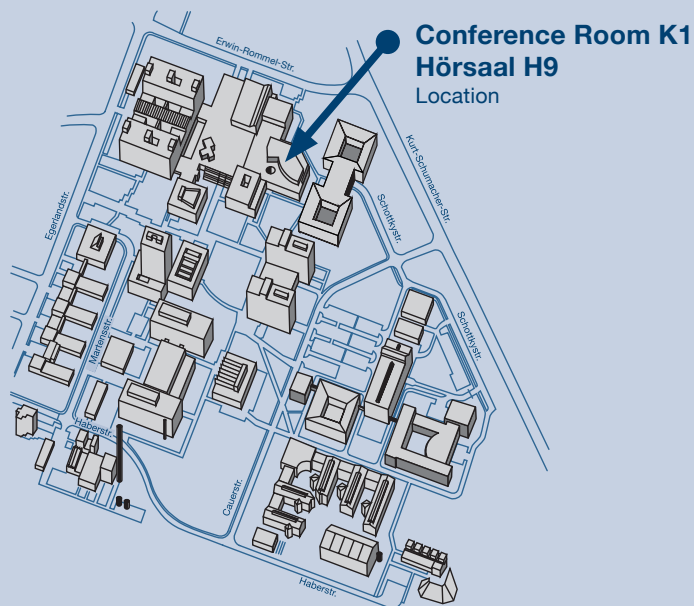
.....
ZIP Code, Town

.....
Country

.....
Phone, Fax

.....
E-mail

.....
Date, Signature



GENERAL INFORMATION

VENUE Conference Room K1 (Zentrales Hörsaalgebäude)
Erwin-Rommel-Straße 60 | 91058 Erlangen

LOCATION/ACCESS

<http://www.techfak.uni-erlangen.de/infocenter/campussuche/anfahrt.shtml>

REGISTRATION Deadline: July 8, 2011

via Fax: +49.9131. 852 08 60

via E-mail: administration@eam.uni-erlangen.de

SYMPOSIUM COORDINATOR Prof. Dr. Oliver Diwald

Phone: +49.9131.852 94 04 E-mail: o.diwald@lfg.uni-erlangen.de

SYMPOSIUM OFFICE Kristina Muck

Cluster of Excellence Engineering of Advanced Materials (EAM)
Nägelsbachstraße 49 b | 91052 Erlangen

Phone: +49.9131.852 08 46 E-mail: administration@eam.uni-erlangen.de
www.eam.uni-erlangen.de



**FUNCTIONAL
PARTICLE
SYSTEMS**



**ENGINEERING
OF ADVANCED
MATERIALS**

SYMPOSIUM

21 – 22 July 2011

Materials
Chemistry

meets

Particle
Technology



FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG

SYMPOSIUM PROGRAM

Thursday · July 21

Conference Room K1 Erwin-Rommel-Str. 60 · Erlangen

9⁰⁰–9¹⁰ **Oliver Diwald · Wolfgang Peukert**

University of Erlangen-Nuremberg, Germany

Welcome and introductory remarks

9¹⁰–9⁵⁰ **Marie-Alexandra Neouze**

Institute of Materials Chemistry, IMC
Vienna University of Technology, Austria

Recent Advances in Ionic Nanoparticle Networks

9⁵⁰–10³⁰ **Robin Klupp Taylor**

Institute of Particle Technology, LFG
University of Erlangen-Nuremberg

*Simple Approaches to Metal/Metal Oxide
asymmetric Particles*

10³⁰–11⁰⁰ **Jasmin Geserick**

Institute of Materials Chemistry, IMC
Vienna University of Technology, Austria

*A novel quasi Water-free Route towards
thin Films and Powders*

11⁰⁰–11²⁰ Coffee Break

11²⁰–12⁰⁰ **Karin Föttinger**

Institute of Materials Chemistry, IMC
Vienna University of Technology, Austria

*In situ Characterization of Oxide Supported PdZn
and PdGa Nanoparticles: from Structure to Reactivity*

12⁰⁰–12³⁰ **Armin Rumpel**

Institute of Particle Technology, LFG
University of Erlangen-Nuremberg

*Molecular Order of mixed self-assembled Monolayers
studied by Surface Vibrational Spectroscopy*

12³⁰–13⁰⁰ **Jingxia Yang**

Institute of Materials Chemistry, IMC
Vienna University of Technology, Austria

*A photochemically and thermally stable Anatase
TiO₂ Photocatalyst: solvothermal Synthesis
in mixed organic Media and its catalytic Activity
under visible-light Irradiation*

13⁰⁰–14⁰⁰ Lunch Break

14³⁰–16⁰⁰ **CBI KOLLOQUIUM & A1 SEMINAR
FUNCTIONAL PARTICLE SYSTEMS**

Hörsaal H9 Erwin-Rommel-Str. 60 · Erlangen

Ulrich Schubert

Institute of Materials Chemistry, IMC
Vienna University of Technology, Austria

Nanoparticles in Host Phases by Bottom-up Syntheses

16¹⁵ **INAUGURATION OF INTERIM BUILDING
FOR PARTICLE SYNTHESIS Hörsaal H9**

Friday · July 22

Conference Room K1 Erwin-Rommel-Str. 60 · Erlangen

9⁰⁰–9⁴⁰ **Sven Barth**

Institute of Materials Chemistry, IMC
Vienna University of Technology, Austria

*Nanoparticles as solid Growth Seeds
for Ge Nanowire Formation*

9⁴⁰–10¹⁰ **Doris Segets**

Institute of Particle Technology, LFG
University of Erlangen-Nuremberg

Synthesis and Stabilization of ZnO Nanoparticles

10¹⁰–10⁴⁰ **Van An Du**

Institute of Materials Chemistry, IMC
Vienna University of Technology, Austria

*Silicide Nanoparticles in an amorphous
Matrix as new Hydrodesulfurization Catalysts*

10⁴⁰–11⁰⁰ Coffee Break

11⁰⁰–11³⁰ **Monica Distaso**

Institute of Particle Technology, LFG
University of Erlangen-Nuremberg

*Synthesis of hierarchical Metal Oxide and Metal Sulphide
Nanoparticles under solvothermal Conditions*

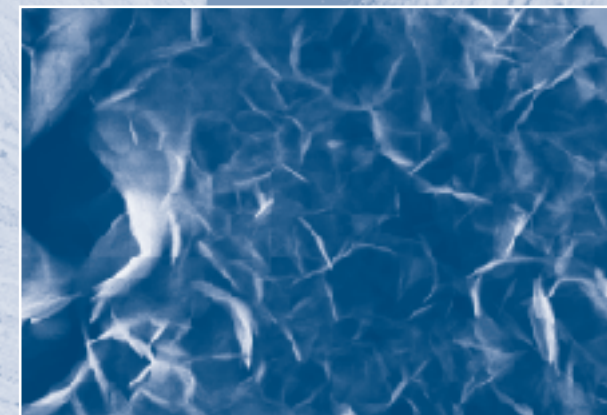
11³⁰–12⁰⁰ **Martin Klaumünzer**

Institute of Particle Technology, LFG
University of Erlangen-Nuremberg

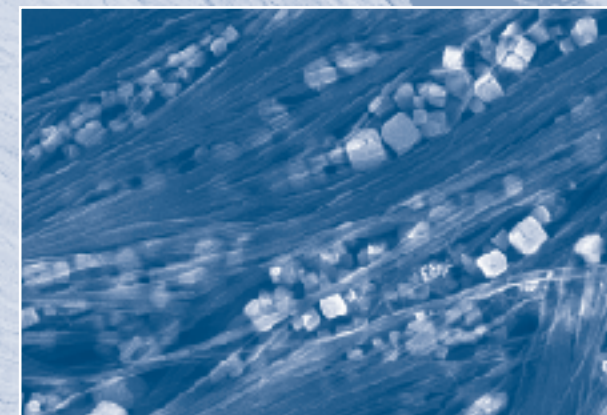
Phase selective oriented Aggregation of In(OH)₃ Nanoparticles

12⁰⁰–13⁰⁰ **GENERAL DISCUSSION, WRAP UP
AND CONCLUDING REMARKS**

13⁰⁰ Lunch & lab tour through Institute of Particle Technology



200 nm



1 μm