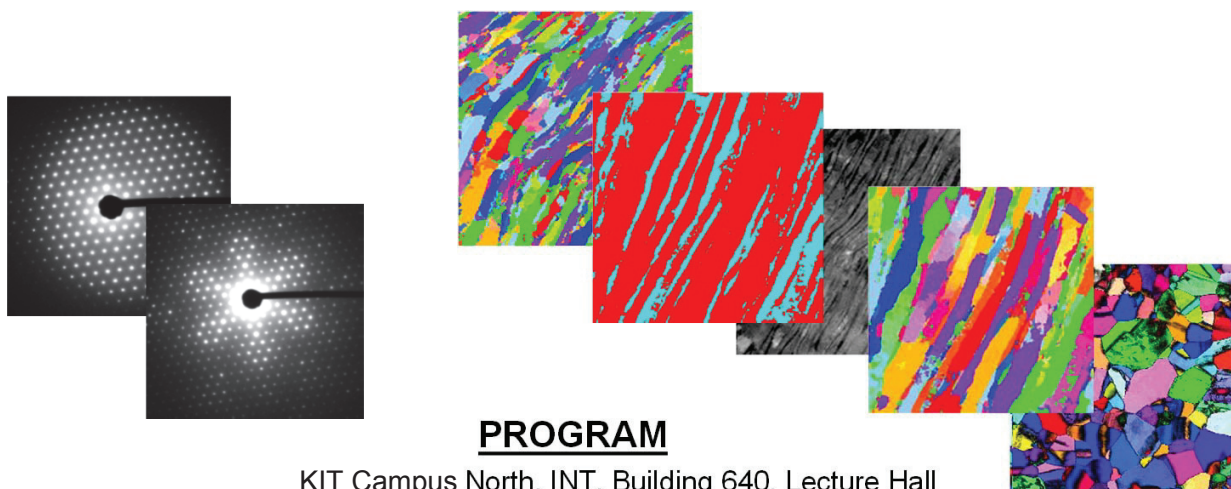


19th-20th of March 2012

NEW TEM NANOMATERIAL CHARACTERIZATION TECHNIQUES: ADT-3D PRECESSION DIFFRACTION TOMOGRAPHY & ASTAR ORIENTATION AND PHASE IMAGING (EBSD-like TEM)

The KIT Karlsruhe & NanoMEGAS cordially invite you to a dedicated workshop for the novel TEM characterization techniques: Precession diffraction and orientation and phase imaging. There will be theoretical and application sessions followed by practical hands-on sessions.



PROGRAM

KIT Campus North, INT, Building 640, Lecture Hall
Hermann-von-Helmholz-Platz 1, Eggenstein-Leopoldshafen

Monday, 19.3.2012

- 08:30 – 09:00 : Registration and Coffee
- 09:00 – 09:05 : C. Kübel (KIT) - Welcome
- 09:05 – 09:50 : P. Midgley (Cambridge) – Precession electron diffraction, present and future
- 09:50 – 10:35 : E. Rauch (CNRS Grenoble) – ASTAR nanoscale TEM orientation / phase maps
- 10:35 – 11:00 : Coffee Break
- 11:00 – 11:30 : C. Kübel (KIT) – Orientation mapping for deformation analysis of nc metals
- 11:30 – 12:00 : H. Kirmse (Berlin) – ASTAR applications for semiconductors
- 12:00 – 12:30 : L. Kienle (Kiel) – PED for material science and fundamental research
- 12:30 – 13:00 : U. Kolb (Mainz) – ADT-3D - Applications of electron diffraction tomography
- 13:00 – 14:00 : Lunch catering
- 14:00 – 14:30 : H. Tietz (TVIPS) – Practical Aspects of Diffraction using Digital Cameras
- 14:30 – 15:00 : S. Nicolopoulos (NanoMEGAS) – Novel electron crystallography applications
- 15:00 – 19:00 : ASTAR Acquisition, Analysis and ADT-3D – practical sessions in groups
- 19:00 – 20:30 : Dinner catering

Tuesday, 20.3.2012

- 09:00 – 15:00 : ASTAR Acquisition and Analysis – practical sessions in groups

Free attendance. Due to space limitations (max. 30 people) please fill in the registration form and send it by email to christian.kuebel@kit.edu before **March 5th, 2012**.

19th-20th of March 2012

**NEW TEM NANOMATERIAL CHARACTERIZATION TECHNIQUES:
ADT-3D PRECESSION DIFFRACTION TOMOGRAPHY &
ASTAR ORIENTATION AND PHASE IMAGING (EBSD-like TEM)**

Contact:

Dr. Christian Kübel, KIT Karlsruhe: christian.kuebel@kit.edu

Directions to KIT Campus North

(please bring your passport to register at the main entrance)

<http://www.kit.edu/visit/directions.php>

Registration:

Name:

Surname:

University / Research Institute :

Email :

Telephone:

I will participate on the 19.3. 20.3. (demos)

I will present a poster on the 19.3. in the afternoon/evening

Free attendance. Due to space limitations (max. 30 people) please fill in the registration form and send it by email to christian.kuebel@kit.edu before **March 5th, 2012**.