

Scope of the Workshop

Resolution and imaging capabilities in electron microscopy have been revolutionized by the realization of C_s and C_c aberration correctors in the past 10 years. The benefits are now obvious in all fields of electron microscopy not only in materials science but also for biological applications. The name of Maximilian Haider is inextinguishably associated with this success story.

The workshop aims at highlighting progress of electron microscopy in biology and materials science based on aberration correction and the discussion of new developments in this thriving field.

Venue

The workshop will be held at the University of Heidelberg, BioQuant, Im Neuenheimer Feld 267 69120 Heidelberg, Germany

Program

Joachim Zach (Heidelberg) - Leaving the ivory tower: Aberration correction enters the real world

Knut Urban (Jülich) - Picometer Electron Microscopy

Martin Hytch (Toulouse) - Conventional and unconventional use of an aberration corrector: from imaging to diffraction

Ute Kaiser (Ulm) - Why SALVE - sub angström LOW voltage electron microscopy?

Bernd Kabius (Argonne) - Benefits of aberration correction for the TEAM project

Holger Stark (Göttingen) - Is there a benefit of C_s correction in biological electron cryomicroscopy?

Henning Stahlberg (Basel) - Development of Phase-Contrast STEM for Biological Specimens

Roger Wepf (Zürich) - From high resolution SEM to atomic SE-imaging: Meander of a fellow to follow a pioneers path

Harald Rose (Darmstadt) - Concluding Remarks

The scientific program starts at 12:30pm and will end at 7pm followed by a social get-together at the BioQuant.

Organization

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Please register before 31st Jan 2010

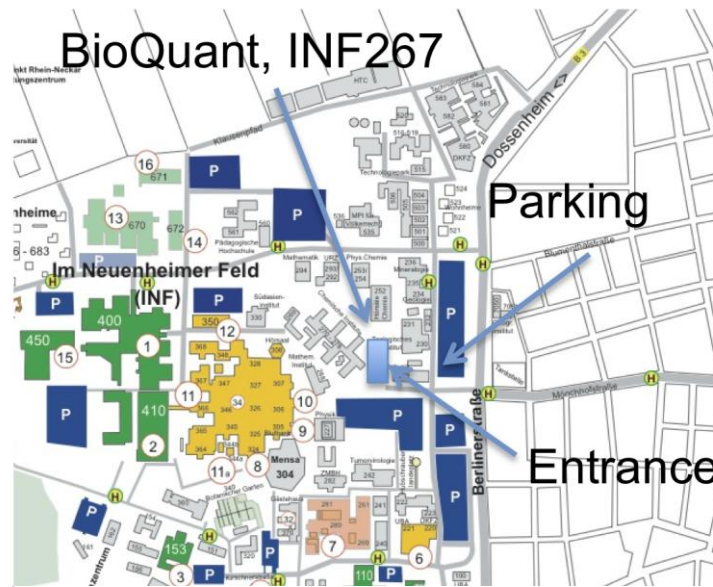
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Location

BioQuant, Im Neuenheimer Feld 267



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Karlsruhe Institute of Technology

**Advances in
Corrected Electron
Microscopy
in Materials Science and
Biology**

On the occasion of the
60th birthday of
Prof. Dr. Maximilian Haider



19th February 2010
Heidelberg, Germany