

FOR PEOPLE AND THEIR
FUTURE ENVIRONMENT

Call for abstracts

We invite contributions for the [poster session](#). Templates for short, one-page abstracts can be found on the conference web-site together with instructions on abstract submission. A collection of accepted abstracts will be handed out at the conference (USB stick).

Web-site : www.iamnano2018.com

Registration

The registration fee (400€, students 300€) includes lunch in house (restaurant Waterkant) afternoon snacks, coffee and tea. A conference dinner is planned.

Details will be given on the conference website.

Early registration : 350€ (students : 250€)

Venue and Directions

Hotel Empire Riverside
Bernhard-Nocht-Straße 97
20359 Hamburg, Germany
Tel. +49 (40) 31119-0

The hotel can be reached from Hamburg's international airport by public transport (<http://www.hvv.de/en/index.php> line S1, 30 min + 10 min. walk).



About Hamburg

The city of Hamburg is a vivid centre of culture, business and tourism located in Northern Germany. Three universities and several research centres in and around Hamburg also make it one of the most important spots for science and education in Germany. Within walking distance of the conference venue lies Hamburg's scenic harbour -the city's trademark and Germany's gate to the world.



abstracts are for posters are still accepted

Contact and abstract submission

www.iamnano2018.com

E-Mail : iamnano2018@hzg.de

**Helmholtz-Zentrum
Geesthacht**

Centre for Materials and Coastal Research

Helmholtz-Zentrum Geesthacht
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**HELMUT SCHMIDT
UNIVERSITÄT**
Universität der Bundeswehr Hamburg

ZHM
Zentrum für
Hochleistungsmaterialien

TUHH
Technische Universität Hamburg

**late abstracts
are accepted**

**Helmholtz-Zentrum
Geesthacht**
Centre for Materials and Coastal Research

IAMNano 2018

International Workshop on Advanced and In-situ
Microscopies of Functional Nanomaterials and Devices

INSTITUTE OF MATERIALS RESEARCH

**October 14 – 17, 2018
Hamburg, Germany
Hotel Empire Riverside**

SCOPE OF THE CONFERENCE

The conference will give an overview on the most recent developments in (aberration corrected) electron microscopy techniques and their application to the characterization of advanced engineering and nano-materials. The topics will be introduced by invited keynote speakers during the plenary sessions while a poster session provides room for the presentation and discussion of contributed research.

TOPICS

- Aberration-Corrected (S)TEM
- Advanced Engineering Materials
- Electron Holography, STEM in SEM
- In situ and Environmental TEM
- Multiscale Characterization, Biomaterials
- Potentials of Aberration-Corrected (S)TEM
- Spectroscopy
- STEM
- Mechanical Properties, Interfaces Strain Mapping, Computational Mechanic

Local Organizing Committee

Heike Gabrisch - *HZG Geesthacht*

Thomas Klassen - *HZG Geesthacht / HSU Hamburg*

Florian Pyczak - *HZG Geesthacht*

Martin Ritter - *TU-HH, Hamburg*

Conference Secretary

Sabine Schrader - *HZG Geesthacht*

Scientific Advisory Board

Rafal Dunin-Borkowski - *ER-C Juelich, Germany*

Wolfgang Jäger - *Materials Science, University of Kiel, Germany*

Wolfgang Kaysser - *HZG, Geesthacht*

Eva Olsson - *Chalmers University, Göteborg, Sweden*

Robert Sinclair - *Stanford University, USA*

Joachim Mayer - *RWTH, Aachen, Germany*

INVITED SPEAKERS (tentative topics)

Juri Barthel - *ER-C Jülich,*
Aberration-Corrected (S)TEM -
Instruments, Methods

Gianluigi Botton - *McMaster University,*
Spectroscopy

Christian Cyron - *TU Hamburg,*
Strain Mapping, Computational Methods

Ulrich Dahmen - *NCEM Berkeley,*
Aberration-Corrected HRTEM

Rafal Dunin-Borkowski - *ER-C Jülich,*
Potentials of Aberration-Corrected (S)TEM

Manfred Eich - *TU Hamburg,*
Advanced Engineering Materials 3 -
Nanomaterials

Dagmar Gerthsen - *KIT Karlsruhe,*
Biomaterials and Soft Materials

Werner Grogger - *FELMI Graz,*
Spectroscopy

Max Haider - *CEOS Heidelberg,*
Potentials of Aberration-Corrected (S)TEM

Ferdinand Hofer - *TU Graz,*
STEM

Florent Houdellier - *CNRS-CEMES Toulouse,*
In situ and Environmental TEM

Martin Hytch - *CNRS-CEMES Toulouse,*
Strain Mapping, Computational Methods

Yuichi Ikuhara - *University of Tokyo,*
STEM

Wolfgang Jäger - *CAU Kiel,*
Advanced Engineering Materials 2 -
Materials for Energy, Environment

Ute Kaiser - *Universität Ulm,*
Potentials of Aberration-Corrected (S)TEM

Thomas Kelly - *Amatek,*
Advanced Engineering Materials 2 -
Materials for Energy, Environment

Thomas Klassen - *Helmut-Schmidt-
Universität Hamburg,*
Advanced Engineering Materials 2 -
Materials for Energy, Environment

Patricia Kooyman - *University of Cape Town,*
In situ and Environmental TEM

Sandra Korte-Kerzel - *RWTH Aachen,*
Advanced Engineering Materials 4 -
Mechanical Properties, Interfaces

Andras Kovacs - *ER-C Jülich,*
Electron Holography, Imaging with Neutrons

Subin Lee - *MPIE Düsseldorf,*
Advanced Engineering Materials 4 -
Mechanical Properties, Interfaces

Michael Lehmann - *TU Berlin,*
Electron Holography, Imaging with Neutrons

Erica Lilleodden - *Helmholtz-Zentrum
Geesthacht,* Advanced Engineering Materials 4 -
Mechanical Properties, Interfaces

Hugo Lourenco-Martins - *Universite Paris Sud,*
Spectroscopy

Joachim Mayer - *RWTH Aachen,*
Aberration-Corrected (S)TEM - Instruments,
Methods

Martha McCartney - *ASU Tempe,*
Electron Holography, Imaging with Neutrons

Martin Müller - *Helmholtz-Zentrum
Geesthacht,* Electron Holography, Imaging with
Neutrons

Jan Neethling - *NMU Port Elisabeth,*
Advanced Engineering Materials 1 - Alloys, Steels

Eva Olsson - *Chalmers University,*
In situ and Environmental TEM

Colin Ophus - *NCEM Berkeley,*
Aberration-Corrected (S)TEM -
Instruments, Methods

Steve Pennycock - *NUS Singapore,*
STEM

Martin Peterlechner - *Universität Münster,*
Advanced Engineering Materials 3 -
Nanomaterials

Florian Pyczak - *Helmholtz-Zentrum
Geesthacht,* Advanced Engineering Materials 1 -
Alloys, Steels

Velimir Radmilovic - *University of Belgrade,*
Advanced Engineering Materials 1 - Alloys, Steels

Martin Ritter - *TU Hamburg,*
Advanced Engineering Materials 3 -
Nanomaterials

Harald Rose - *Universität Darmstadt,*
Potentials of Aberration-Corrected (S)TEM

Andreas Rosenauer - *Universität Bremen,*
STEM

Christina Scheu - *MPIE Düsseldorf,*
Advanced Engineering Materials 2 -
Materials for Energy, Environment

Gerold Schneider - *TU Hamburg,*
Advanced Engineering Materials 3 -
Nanomaterials

Wilfried Sigle - *MPI StEM Stuttgart,*
Spectroscopy

Robert Sinclair - *Stanford University,*
In situ and Environmental TEM

David Smith - *Arizona State University,*
Aberration-Corrected HRTEM

Erdmann Spieker - *Universität Erlangen,*
Advanced Engineering Materials 1 - Alloys, Steels

Kazu Suenaga - *AIST Tsukuba,*
Potentials of Aberration-Corrected (S)TEM

Sandra van Aert - *University of Antwerp,*
Aberration-Corrected HRTEM

Cynthia Volkert - *Universität Göttingen,*
Advanced Engineering Materials 4 - Mechanical
Properties, Interfaces

Jörg Weißmüller - *TU Hamburg,* Advanced
Engineering Materials 4 - Mechanical Properties,
Interfaces

Regine Willumeit-Römer - *Helmholtz-Zentrum
Geesthacht,* Biomaterials and Soft Materials

Nestor Zaluzec - *Argonne National Laboratory,*
Spectroscopy