

The 5th International Symposium on Advanced Microscopy and Theoretical Calculations (AMTC5)



11th to 13th May 2016
WING AICHI

Attendance is free

<http://www.amtc5.com/eng/index.html>

Organized by the Nanostructures Research Laboratory,
Japan Fine Ceramics Center



Today, advanced electron microscopy and theoretical methods make it possible to analyze structures and properties of materials at the atom level. Such methods enable the rational design of new materials with superior functionality, with the ultimate aim of contributing to protection of the natural environment while furthering social development.

AMTC symposia are held every two years under the auspices of the Nanostructures Research Laboratory of the Japan Fine Ceramics Center. Around 200 participants from around the world actively working on these topics in academia, national laboratories and industry will meet to share and discuss their latest findings. In this AMTC5, 22 invited speakers who are leaders in their respective research areas, together with about 100 contributed speakers, will report and discuss their recent results in the field of materials nanotechnology.

Chairpersons: Kazuo Yamamoto (JFCC)
Takeharu Kato (JFCC)
Hiroki Moriwake (JFCC)

Topics

The symposium will focus on the following areas of advanced microscopy and theoretical calculations:

1. Advanced TEM, STEM Imaging for Materials Science
2. Electron Holography and Phase Imaging
3. Environmental TEM
4. Modeling and Simulation
5. Frontiers of Materials Science

Invited Speakers

1. Advanced TEM, STEM Imaging for Materials Science

P. Nellist (*University of Oxford*)
N. Shibata (*The University of Tokyo*)

R. Klie (*University of Illinois*)
S. Kobayashi (*JFCC*)

2. Electron Holography and Phase Imaging

M. Beleggia (*Technical University of Denmark*)
T. Tanigaki (*Hitachi, Ltd.*)
K. Yamamoto (*JFCC*)

M-G. Han (*Brookhaven National Laboratory*)
D. Cooper (*CEA-LETI*)

3. Environmental TEM

P. Crozier (*Arizona State University*)
Y. Oshima (*Japan Advanced Institute of Science
and Technology*)

H. Zheng (*Lawrence Berkeley National Laboratory*)
T. Kawasaki (*JFCC*)

4. Modeling and Simulation

R. Cohen (*Carnegie Institution*)
F. Oba (*Tokyo Institute of Technology*)
H. Moriwake (*JFCC*)

K. Terakura (*NIMS*)
T. Mizoguchi (*The University of Tokyo*)

5. Frontiers of Materials Science

F. Wang (*Brookhaven National Laboratory*)
K. Kawahara (*JFCC*)

K. Kaneko (*Kyusyu University*)
T. Kato (*JFCC*)

Schedule

11th May 2016 (Wed.) AM: Invited Lectures

PM: Invited Lectures

Poster Session I

12th May 2016 (Thu.) AM: Invited Lectures

PM: Invited Lectures

Poster Session II

Banquet

13th May 2016 (Fri.) AM: Invited Lectures

Registration

Seating is limited, so preregistration is recommended. Please visit the website to register as soon as possible to ensure a place:
<http://www.amtc5.com/eng/index.html>

Further Information

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