

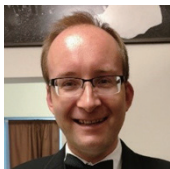
PLENARY SPEAKERS

**Hitoshi Kuninaka**

Chief, Japan Aerospace Exploration Agency (JAXA), Institute of Space and Astronautical Science (ISAS), Japan

Lecture Title: "Asteroid Exploring Spacecraft "Hayabusa", "Hayabusa2" and "DESTINY+" Powered by Microwave Discharge Ion Engines"

Mon-PL-1
12-Sep, 9:45-10:45

**Sergei V. Kalinin**

Prof. Dr. Oak Ridge National Laboratory, US

Lecture Title: Can autonomous microscopes discover physics of materials?

Mon-PL-2
12-Sep, 10:45-11:45

**Hidetoshi Katori**

Prof. The University of Tokyo, RIKEN, Japan

Lecture Title: Making Optical Lattice Clocks Compact and Useful for Real-World Applications

Tue-PL-1
13-Sep, 9:00-10:00

**Rupert Huber**

Prof. Dr. University of Regensburg, Regensburg Center for Ultrafast Nanoscopy, Germany

Lecture Title: Single-molecule choreography with lightwave tunneling microscopy

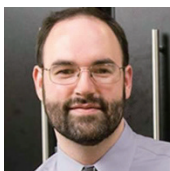
Tue-PL-2
13-Sep, 10:00-11:00

**Kazuo Ushida**

President, Nikon Corporation, Japan

Lecture Title: Clear and Present Opportunities

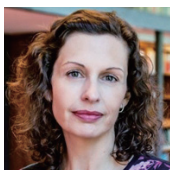
Wed-PL-1
14-Sep, 9:00-10:00

**Michael S. Strano**

Prof. Massachusetts Institute of Technology, US

Lecture Title: Nanosensor Coupling to Human and Plant Interfaces for Real Time Chemical Information Transfer

Wed-PL-2
14-Sep, 10:00-11:00

**Beatriz Roldán Cuenya**

Prof. Dr. Fritz Haber Institute, Germany

Lecture Title: From Single Atoms to Nanoparticle and Thin Film Catalysts in Energy Conversion

Thu-PL-1
15-Sep, 9:00-10:00

**Christian Mitterer (IUVSTA Prize for Science Winner)**

Prof. Dr. Montanuniversität Leoben, Austria

Lecture Title: Physical Vapor Deposition of Thin Films: From Trial & Error via Knowledge-based Development to Sustainable Processes and Materials

Thu-AW-1
15-Sep, 16:00-16:45

**Ian Gilmore (IUVSTA Prize for Technology Winner)**

Prof. National Physical Laboratory, UK

Lecture Title: OrbiSIMS: Molecular identification AND localization at the micro to nanoscale

Thu-AW-2
15-Sep, 16:45-17:30

KEYNOTE SPEAKERS

Yoshihisa Kagawa

Sony Semiconductor Solutions Corporation, Japan
Mon-A2-1K

Karl Leo

IAPP, TU Dresden, Germany
Mon-B1-1K

Ron Naaman Naaman

Weizmann Institute, Israel

Yoshihiro Iwasa

Quantum-Phase Electronics Center, Department of Applied Physics, The University of Tokyo

Timo Gans

Dublin City University, Ireland
Mon-H2-1K

Karsten Reuter

Fritz-Haber-Institut der Max-Planck-Gesellschaft, Germany
Mon-I1-6K

Nicola Marzari

EPFL, Switzerland

Franz J. Giessibl

University of Regensburg, Germany

Pedro Costa Pinto

CERN, Switzerland
Tue-D1-1K

Yuanbo Zhang

Fudan University, China
Tue-E1-1K

Arutiun P. Ehiasarian

Sheffield Hallam University, UK

Alexander Foehlisch

Helmholtz-Zentrum Berlin and University of Potsdam, Germany

Jan Seidel

UNSW Sydney, Australia
Tue-G1-1K

Julian Schulze

Ruhr-University Bochum, Germany
Tue-H1-6K

Masaru Hori

Nagoya University, Japan

Talat Shahnaz Rahman

University of Central Florida, United States of America

Andreas Joachim Heinrich

IBS Center for Quantum Nanoscience, Korea
Wed-C1-1K

Atsuhiko Isobe

Research Institute for Applied Mechanics, Kyushu Univ, Japan
Wed-E1-1K

Robert Wolkow

University of Alberta, Canada

Daniel Lundin

Linköping University, Sweden

Xing Yi Ling

Nanyang Technological University, Singapore
Wed-K1-1K

Luisa Torsi

Universita degli Studi di Bari Aldo Moro, Italy
2 6

Hans-Peter Steinruck

Friedrich-Alexander-Universitat Erlangen-Nurnberg, Germany

Martin Wuest

INFICON AG, Liechtenstein

Han Woong Yeom

Institute for Basic Science, Korea
Thu-E1-1K

Paolo Milani

Department of Physics, University of Milano, Italy
2-1

Paul H. Mayrhofer

TU Wien, Austria

INVITED SPEAKERS

Yusuke Sano

CKD CORPORATION, Japan

Manabu Tsujimura

Ebara Corporation, Japan

Ton van der Net

ASML, Netherlands

Hitoshi Wakabayashi

Tokyo Tech, Japan

Ken-ichi Uchida

National Institute for Materials Science, Japan

Thomas T. Perkins

JILA, NIST & University of Colorado, United States of America

Alice L B Pyne

University of Sheffield, UK

James Fedchak

National Institute of Standards and Technology, United States of America

Robert Pearce

ITER, France

Joerg Raabe

Paul Scherrer Institute, Switzerland

Hendrik Ohldag

Lawrence Berkeley National Laboratory, United States of America

Goki Eda

National University of Singapore, Singapore

Toshiaki Makabe

Keio University, Japan

Ichiro Akai

Kumamoto University, Japan

Jian Wang

Peking University, China

Dimitri Roditchev

LPEM, ESPCI Paris, PSL, CNRS UMR8213, Sorbonne University, Paris, France

Michele Riva

Institute of Applied Physics, TU Wien, Austria

Alexander Ako Khajetoorians

Institute for Molecules and Materials, Radboud University, Netherlands

Oleg B. Malyshev

UKRI/STFC Daresbury Laboratory, UK

Mizuki Tada

Nagoya University, Japan

INVITED SPEAKERS

Il Jeon

Sungkyunkwan University
(SKKU), Korea

Pierre Vinchon

Université de Montréal, Canada

Ali Mesbah

University of California Berkeley,
United States of America

Yoshitada Morikawa

Osaka University, Japan

Iwao Matsuda

the Institute for Solid State
Physics, the University of Tokyo,
Japan

**Frank Joachim Meyer
zu Heringdorf**

University of Duisburg-Essen,
Germany,

Endre Szili

University of South Australia

Enggar Alfianto

Osaka University, Japan

Ying Jiang

Peking University, China

Enrico Maccallini

SAES GETTERS, Italy

Katsuhisa Murakami

National Institute of Advanced
Industrial Science and
Technology, Japan

Jesper Wallentin

Synchrotron Radiation Research
and NanoLund, Lund University,
Sweden

Bongjin Simon Mun

Gwangju Institute of Science
and Technology, Korea

Deep Jariwala

University of Pennsylvania

Yin-Yu Chang

National Formosa University,
Taiwan

Jin Hu

University of Arkansas, United
States of America

Sven Tougaard

University of Southern Denmark,
Denmark

Marton Ady

CERN, Switzerland

Frank Hegmann

University of Alberta, Canada

Christoph Lienau

Uni Oldenburg

Ivan G. Petrov

University of Illinois, US

François Reniers

Université Libre de Bruxelles,
Belgium

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Instituto de Investigaciones
en Materiales, Universidad
Nacional Autónoma de México,
Mexico

Angus Rockett

Colorado School of Mines,
United States of America

Johanna Rosen

Department of Physics,
Chemistry and Biology (IFM),
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Li-Chyong Chen

National Taiwan University,
Taiwan

Pedro Nascente

Federal University of Sao
Carlos, Brazil

Tetsuya Hasegawa

University of Tokyo, Japan

Manuel Oliva Ramirez

Departamento de Física
Atómica, Molecular y Nuclear,
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Jorge Benito Rubio Retama

Complutense University of
Madrid, Spain