



July 8-13, 2018
**Todaiji Culture
Center**

100 Suimon-cho, Nara City, Japan

EXCON2018 NARA

The 12th International Conference on Excitonic and Photonic Processes
in Condensed Matter and Nano Materials

CONFERENCE CHAIR

Hajime Ishihara
(Osaka Univ. /
Osaka Prefecture Univ., Japan)

CO-SPONSORSHIP

2016-2020 Grant in Aid for Scientific Research
on Innovative Areas, MEXT, Japan
"Nano-Material Manipulation and
Structural Order Control with Optical Forces"

IMPORTANT DATES

Abstract Submission Open Jan. 22nd
Close Mar. 16th
Acceptance Notification Apr. 16th
Early Bird Registration Deadline May 15th
Proceedings Submission Deadline Aug. 10th

ENDORSEMENT

Nara Visitors Bureau
The Japan Society of Applied Physics



<http://www.excon2018.org/>

CONTACT EXCON2018 Secretary secretariat@excon2018.org

EXCON 2018

EXCON2018, the 12th International Conference on Excitonic and Photonic Processes in Condensed Matter and Nano Materials will be held in a historic city Nara, Japan, 8-13 July 2018.

The conference will provide an interdisciplinary forum for mutual research communications between solid-state physicists, photo-physicists, photo-chemists and photo-biologists, material scientists, as well as device-oriented researchers from academia and industry. A variety of excitonic and photonic phenomena in diverse materials from bulk materials to micro- and nanostructures, such as quantum dots, metallic antennas, atomic-layer materials, bio-materials, molecular materials, are covered in the conference.

Plenary Speakers: **Chihaya Adachi**, Kyushu University, Japan
Alfred Leitenstorfer, University of Konstanz, Germany

Invited Speakers: **Marc Aßmann**, TU Dortmund University, Germany
(Confirmed) **Artem A. Bakulin**, Imperial College London, United Kingdom
Kikuo Cho, The Toyota Physical and Chemical Research Institute, Japan
Hui Deng, University of Michigan, United States
Volkmar Dierolf, Lehigh University, United States
Shinichiro Iwai, Tohoku University, Japan
Fabian Langer, University of Regensburg, Germany
Nobuko Naka, Kyoto University, Japan
Lene B. Oddershede, The University of Copenhagen, Denmark
Yoshitaka Okada, The University of Tokyo, Japan
Cheng-Wei Qiu, National University of Singapore, Singapore
Ryo Shimano, The University of Tokyo, Japan

Prize ceremony for Spectra-Physics Prize (<http://www.eonet.ne.jp/~icc-office/icc.html>) will be held in EXCON2018.

The topics covered by EXCON2018 are the following:

- Coherent excitonic processes including multi-excitonic processes
- Excitonic and photonic phenomena in nanostructures
- Excitonic and photonic phenomena in atomic-layer materials
- Strong light-matter coupling through microcavities, photonic crystals and plasmonic structures
- Exciton-lattice interaction and photo-induced phase transition
- Excited states in disordered and amorphous systems
- Excitonic processes in organic materials and polymers
- High-density excitonic systems and condensation
- Light-matter interaction in metamaterials
- Excitonic processes in photovoltaic materials and devices
- Ultrafast dynamics of excitonic relaxation, energy transport, and charge transfer
- Applications of excitonic and photonic processes in quantum information processing
- Optical devices: LEDs and solar cells in inorganic and organic systems
- Optical manipulation of nanostructures
- New experimental techniques applied to excitonic and photonic processes
- New theoretical and computational techniques applied to excitonic and photonic processes
- Other topics, especially newly-emerging topics, which may match the scope of the conference are also welcome.

<http://www.excon2018.org/>

