

## Let's Join International Video Exchange Live Lectures on Nano-Science between OU and UG !!

### INSD NanoScience Video Exchange Lectures 2024

The following international video exchange live lectures in English will be held between Osaka University (OU) and the University of Groningen (UG). A couple of one-hour lectures, one from OU and the other from UG, will be given four times. On UG side, there attend the students belonging to the Top Mater Course of NanoScience conducted by *Zernike Institute*, UG. On OU side, not only those Master and PhD students who are registered as the INSD\* nanoprogram students but also those who are interesting in the lectures are welcome to join the class and discussion. Do not miss such a valuable opportunity! These lectures are regarded as “International Exchange Lectures on Nanoscience and Nanotechnology A” (credit: 1 unit). The program is also shared by University of Science-Malaysia, King Mongkut’s Institute of Technology Ladkrabang-Thailand, and Institute of Materials Science VAST-Vietnam. \* INSD: *R<sup>3</sup> Institute for Newly-Emerging Science Design*, OU

Please register your name in advance in order to receive the lecture on-line website and slides in advance.

**Exchange lectures:** every Friday from October 18<sup>th</sup> to November 15<sup>th</sup>, 2024 except on November 1<sup>st</sup>.

**Time:** (at Groningen) 9:00-11:00, and  
 (at Osaka) 16:00-18:00 for October 18<sup>th</sup> and 25<sup>th</sup>, and  
 17:00-19:00 for November 8<sup>th</sup> and 15<sup>th</sup> (because of winter time in Europe).

**Places:** Groningen: (Zernike Campus)

Osaka:(Toyonaka Campus) INSD Meeting Room 304, 3<sup>rd</sup> floor Interdisciplinary Research Building, <http://www.osaka-u.ac.jp/en/access/toyonaka/toyonaka.html>

(Live on-line) URL of Webex Meeting System will be delivered upon registration.

	Date	Time(JST)	Lecturers	Topics
1	10/18 (Friday)	16:00-18:00	Antonia Gubisic-Cabo Hidekazu Tanaka	Kinetic <i>in situ</i> single-layer synthesis technique Electronic phase change oxide
2	10/25 (Friday)	16:00-18:00	Yoshitada Morikawa, Erika Covi	Computational materials design for surfaces Memristive and CMOS technologies
3	11/8 (Friday)	17:00-19:00	Hiroshi Miyasaka, Jagoda Sławińska	Photochemistry with multiphoton absorption and multiple excitation in the condensed phase Spin-orbit-related phenomena for energy-efficient electronic devices
4	11/15 (Friday)	17:00-19:00	Yasuhiro Nakazawa Jan Anton Koster	Molecular superconductors and their thermodynamics Perovskite solar cells: numerical modelling

The lectures 1~4: Groningen-Osaka Joint Lectures. The abstracts of the lectures are given in separate sheets.