

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

### INSD NanoScience Video Exchange Lectures 2019

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). Please register your name in advance in order to receive the lecture slides in advance.

**Exchange lectures:** every Friday from October 11<sup>th</sup> to November 15<sup>th</sup>, 2019 except on November 1<sup>st</sup>. On October 11<sup>th</sup> the introductory lecture is given only in Osaka, together with the video address given by the 2016 Nobel Laureate, UG Prof. Benard L. Feringa,

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

**Places:**

(Main: Toyonaka Campus) INSD Lecture Room 305, 3<sup>rd</sup> floor, Interdisciplinary Research Building, <http://www.osaka-u.ac.jp/en/access/toyonaka/toyonaka.html>

(Suita Campus) INSD Satellite Room, F390, 3<sup>rd</sup> floor, 1<sup>st</sup> research building, Institute of Scientific and Industrial Research, [http://www.sanken.osaka-u.ac.jp/en/access/access\\_buildings/](http://www.sanken.osaka-u.ac.jp/en/access/access_buildings/)

	Date	time	Lecturers	Topics
0	10/11 (Friday)	16:00-18:15	Tadashi Itoh	Introduction, Photophysics of quantum dots, Video address by Prof. Benard L. Feringa
1	10/18 (Friday)	16:00-18:15	Akira Harada, Jan Anton Koster	Supramolecular materials Organic semiconductors for thermoelectrics
2	10/25 (Friday)	16:00-18:15	Syoji Ito, Remco Havenith	Single-molecule fluorescence detection Calculation of molecular properties
3	11/8 (Friday)	17:00-19:15	Yasufumi Fujiwara, Loredana Protesescu	LED with rare-earth-doped semiconductors Perovskite nanostructures
4	11/15 (Friday)	17:00-19:15	Hidekazu Tanaka, Thomas Jansen	Oxide thin films and their functionality Quantum design of nanomaterials

The lectures 1~4: Groningen-Osaka Joint Lectures. The abstracts of the lectures will be soon uploaded on the website: <http://www.insd.osaka-u.ac.jp/nano/>.

**Grading Policy:** Attendance more than 60% among the five days and submission of short report every time, and a report about the summary of two topics out of the nine lectures. This lecture series is assigned as “**International Exchange Lectures on Nanoscience and Nanotechnology A**” (credit: 1 unit).

**Deadline and method of application:**

Deadline is Wednesday, October 9<sup>th</sup>. Send the following information either in Japanese or in English to the INSD program office.

E-mail address: nano-program@insd.osaka-u.ac.jp

*Students:* full name, affiliation (graduate school/school, department, D/M/B, school year, affiliated research laboratory), e-mail address, specify whether one takes nanoprogram or not, place of attendance (Toyonaka/Suita).

*Other members:* full name, affiliation (institution, affiliated research laboratory, position), e-mail address, place of attendance (Toyonaka/Suita).

\* On-site registration is also possible for those who attend the lectures No.0 or No.1.

\* If one cannot attend some classes during the series of lectures, please specify the date of absence in advance.

If you have any question in English, please send an e-mail to the following address: <itoh@insd.osaka-u.ac.jp>.