

Lecture Schedules

Research in Chemical Sciences & Engineering II Topical Lectures in Chemical Sciences & Engineering:

Notice;

It is required to attend at least seven times.

To satisfy to get the course credit for one academic year, you must

- 1) submit at least one report in total.
- 2) write a report which summarizes a lecture onto one sheet of A4 paper.
- 3) send a report as an attached file by email to the "AGS Office" <ags@eng.hokudai.ac.jp> within two weeks after each lecture presentation finishes.

01. 06 April @Science#6-103

Prof. Maurice Médebielle (Université Claude Bernard Lyon 1, France)

"Cyclic gem-difluoroacyl Scaffolds Synthesis via Electrocatalytic and Visible Light Photocatalytic Radical Tandem Cyclization of Hetero-Aryl Chlorodifluoromethyl Ketones"

02. 07 June @Science N-308

Prof. James G. Omichinski (Université de Montréal, Canada)

"Structural Investigations into the Mechanism of Methylmercury Degradation by the Organomercurial Lyase MerB"

03. 05 July @Seminar Room 2, Frontier Research in Applied Sciences Building

"Hokkaido University – Chungbuk National University Joint Symposium on Advanced Engineering"

04. 05 July @Seminar Room 2, Frontier Research in Applied Sciences Building

Prof. Rong Tu (Wuhan University of Technology, China)

"High Speed Deposition of 3C-SiC Films by CVD"

05. 13 July @MC208, Faculty of Engineering

Prof. Yu-Cheng Chiu (National Taiwan University of Science and Technology, Taiwan)

"From Functional Polymer to Intrinsically Stretchable and Healable Transistor Devices"

06. 14 July @Pilica cotan, Kogane-yu <CSE Summer School 2018>

Prof. Nisanth N. Nair (Indian Institute of Technology Kanpur, India)

"Supercomputer vs Superbugs: What Makes the Catalytic Reaction by Beta-Lactamase Enzymes Highly Efficient?"

07. 14 July @Pilica cotan, Kogane-yu <CSE Summer School 2018>

Prof. Ning Yan (National University of Singapore, Singapore)

"Chemicals from Renewable Resources: Current Status, Opportunities and Challenges"

08. 20 July @Seminar Room 1, Frontier Research in Applied Sciences Building
Prof. Yu-Lun Chueh (National Tsing Hua University, Taiwan)
“2D Materials: From Development of Novel Growth Methods Towards Its Multifunctional Applications”
09. 20 July @Seminar Room 2, Frontier Research in Applied Sciences Building
Prof. Yoko Yamakoshi (ETH Zürich, Switzerland)
“Buckyball for Photodynamic Therapy (PDT) and Magnetic Resonance imaging (MRI) Application”
10. 23 July @MC508, Faculty of Engineering
Prof. Nattasamon Pethsang (Kasetsart University, Thailand)
“Colloidal Semiconducting Nanoparticles: Synthesis and Characterization”
- Prof. Katsura Nishiyama (Meijo University, Japan)**
“Emission Properties of Nano-Scale Materials: Rare Earth Nanoparticles and Organogels Prepared by Self-Assembly”
- *We will count one attendance when you attend both of the above.
11. 23-26 July @Akira Suzuki Hall, Frontier Research in Applied Sciences Building
“Japan - Korea Joint Symposium on Polymer Science 2018 -Inovative soft matter by microstructure control”
12. 27 July @Science N-308
Prof. Mir Wais Hosseini (University of Strasbourg, France)
“Molecular Tectonics: Networks of Crystals by Welding”
13. 30 July @Science #7-219/220
Prof. Shiwei Yan (Beijing Normal University, China)
“Statistical Physics and Quantitative Descriptions of Biological Systems”
14. 30 July @Science #5-301
Prof. Da-Gang Yu (Sichuan University, China)
“CO₂ Utilization in Organic Synthesis”
15. 01 August @Science #5-301
Prof. Christophe Copéret (ETH Zürich, Switzerland)
“Molecular Approach to Supported Single-Site Catalysts and Beyond”
16. 02 August @Science #7-310
Prof. Shuo Huang (Nanjing University, China)
“High Throughput Nanopore Chip and Its Applications in Nanopore Sequencing and DNA Lesion Sensing”

17. 03 August @Science #7-310
Prof. Stephan Link (Rice University, the U.S.A.)
“Understanding the Protein Corona One Molecule and One Nanoparticle at a Time”

Prof. Christy F. Landes (Rice University, the U.S.A.)
“Single Nanoelectrode Photodissolution”

*We will count one attendance when you attend both of the above.

18. 03 August @Seminar Room 1, Frontier Research in Applied Sciences Building
Prof. Moonhor Ree (POSTECH, Korea)
“Polymer Chain & Nanoparticles: *Structural Characteristics*”

19. 27 August @Seminar Room 2, Frontier Research in Applied Sciences Building
“CSE International Student Symposium 2018”

20. 11 September @MC102, Faculty of Engineering
Prof. Sergei A. Eremin (M.V. Lomonosov Moscow State University, Russia)
“Development of Immunochemical Test-Systems”

21. 05 October @Akira Suzuki Hall, Frontier Research in Applied Sciences Building
Prof. Kyungsoo Oh (Chung-Ang University, Korea)
“Development of Enabling Catalyst Systems for Heterocyclic Compounds with Biological Significance”

22. 05 October @Akira Suzuki Hall, Frontier Research in Applied Sciences Building
Prof. Dr. Martin Oestreich (Technische Universität Berlin, Germany)
“Solving (Our) Two Long-Standing Problems in Silicon Chemistry”

23. 01 November @MC527, Faculty of Engineering
Dr. Wenhao Sun (Lawrence Berkeley National Laboratory, the U.S.A.)
“Navigating stability and metastability in the synthesis of novel functional materials”

24. 06 November @MC208, Faculty of Engineering
Dr. Jennifer Mortimer (Energy Joint BioEnergy Institute (JBEI) and Lawrence Berkeley National Laboratory, the U.S.A.)
“Plant sphingolipid glycosylation, and its role in plant-microbe interactions and cell wall biosynthesis”

25. 12 November @Science N-308
Prof. Paul G. Hayes (University of Lethbridge, Canada)
“Designing New Pincer Ligands to Support Low-Coordinate *f*-Element Complexes”

26. 13 November @Seminar Room 2, Frontier Research in Applied Sciences Building
Dr. Sergey Suturin (Ioffe Physical Technical Institute, Russia)
“Crystallographic and magnetic peculiarities in epitaxial multilayers of magnetically ordered iron-based oxides: Laser MBE growth, synchrotron and neutron studies”

27. 07 December @Auditorium, Science #5
“The 14th Hokkaido University – Nanjing University – NIMS/MANA Joint Symposium”
- Designed Chemistry for Future”
28. 13 December @Science N-308
Dr. James Andell Hutchison (University of Strasbourg, France)
“Energy Transduction in Polaritonic Systems”
29. 21 and 22 January @Science#5-2-03
“Hokkaido University – Peking University Joint Symposium 2019”
30. 04 February @Seminar Room 1, Frontier Research in Applied Sciences Building
Prof. John D. Tovar (Johns Hopkins University, the U.S.A.)
“Repurposing aromaticity for organic electronics: making, breaking and stacking pi-circuits”
31. 04 February @Science#5-2-01
Prof. Patchanita Thamyongkit (Chulalongkorn University, Thailand)
“On Potential of π -Extended Porphyrins for Optoelectronics and Electrocatalysis”
32. 25 March @Science N-308
Dr. Jean-François Soulé (Institut des Sciences Chimiques de Rennes, France)
“Synthesis of Life and Material Molecules *via* Late-Stage Functionalizations”