

# SEMINARS

Assoc Prof AHARONOVICH, Igor  
School of Mathematical and Physical Sciences, University of  
Technology Sydney, Australia  
“Quantum Emitters in Flatland”  
7 March 2017

Prof ARAI, Yoshitaka  
Graduate School of Science, Chiba University, Chiba, Japan  
“Imidazoline, Imidazolizine, and Aminoimine: Exploration of  
Novel Asymmetric Catalysts”  
2 February 2017

Prof AZECHI, Hiroshi  
Institute of Laser Engineering, Osaka University, Osaka, Japan  
“Lacks the Finishing Touch: Laser Fusion”  
20 April 2017

Prof BARTLETT, Douglas H.  
Marine Biology Research Division, Scripps Institution of Ocean-  
ography, University of California, U.S.A.  
“Deep Life: Comparison of the Microbiome of Two Pacific Ocean  
Hadal Trenches”  
4 December 2017

Dr CAILLOL, Sylvain  
Universite Montpellier 2, France  
“Green Chemistry and Polymers: A Sustainable Approach from  
Biobased to Safer Polymers”  
19 April 2017

Dr CHATGILIALOGLU, Chryssostomos  
National Research Council of Italy, Italy  
“Biomimetic Radical Chemistry”  
19 May 2017

Prof CHENG, Yi-Bing  
Monash University, Australia  
“Progress on Perovskite Solar Cells”  
7 October 2017

Dr CHIARA, Cavallari  
European Synchrotron Radiation Facility, France  
“New Advances in X-Ray Raman Spectroscopy”  
15 June 2017

Prof DANHEISER, Rick L.  
Massachusetts Institute of Technology, U.S.A.  
“New Cycloaddition Strategies Based on Strained and Unusual  
Molecules”  
25 January 2017

Prof DURAN, Robert  
Equipe Environnement et Microbiologie, MELODY group, Uni-  
versité de Pau et des Pays de l'Adour, France  
“Microbial Ecology in Hydrocarbon-contaminated Coastal Envi-  
ronments”  
26 September 2017

Dr ENAMI, Shinichi  
National Institute for Environmental Studies, Ibaraki, Japan  
“Study of Interface Science Using Newly Developed Mass Spec-  
trometry”  
29 November 2017

Prof FUKUYAMA, Tohru  
Graduate School of Pharmaceutical Science, Nagoya University,  
Aichi, Japan  
“Scientific English”  
14 July 2017  
“Looking back at My Past”  
14 July 2017

Prof GABBAÏ, François P.  
Texas A&M University, U.S.A.  
“Exploiting the Non-Innocence of Antimony Ligands in Organo-  
metallic Catalysis”  
10 March 2017

Dr HARADA, Hiroyuki  
J-PARC, Ibaraki, Japan  
“Development of Laser-Assisted Charge Exchange System Es-  
sential for Next Generation High-intensity Proton Accelerator”  
21 September 2017

Mr. HEMMERSDORF, Felix  
Technische Universität Dresden, Germany  
“Advanced Crystal Structure Refinement on X-ray Diffraction  
Data of Modern Main Group Compounds”  
3 April 2017  
“Building Up Polyphosphanes by Novel Strategies”  
3 April 2017

Dr HORSLEY, Andrew  
Laser Physics Centre Research School of Physics and Engineer-  
ing, Australian National University, Australia  
“Microwave Device Characterisation using a Quantum Diamond  
Microscope”  
29 August 2017

Prof IKOMA, Tadaaki  
Institute for Science and Technology and Center for Coordination  
of Research Facilities, Niigata University, Niigata, Japan  
“Spin Science on Carrier Dynamics in Organic Solar Cells”  
18 October 2017

Dr ISHIKAWA, Hiroshi  
Otsuka Pharmaceutical Co., Ltd., Tokyo, Japan  
“Drug Discovery I've Been Walking On (in Japanese)”  
16 June 2017

Dr IWATA, Natsumi  
Institute of Laser Engineering, Osaka University, Osaka, Japan  
“Simulations for Laser-Plasma Interactions”  
1 February 2017

Dr JAILLAIS, Yvon  
Laboratoire Reproduction et Développement des Plantes Equipe  
Signalisation Cellulaire (SICE), ENS Lyon, France  
“Controls of Plasma Membrane Identity by Membrane Electro-  
statics”  
21 March 2017

Prof JIN, Xiaofeng  
Fudan University, China, P.R.  
“The Hall Effects Edwin Hall Never Imagined”  
5 December 2017

- Prof KIM, Bongju  
Department of Physics & Astronomy, Seoul National University, Korea, R.  
“Dimensional Study and Ionic Molecule Device on Ultra-thin Manganite Film”  
30 November 2017
- Prof KIM, Dongho  
Department of Chemistry, Yonsei University, Korea, R.  
“Characterization of Exciton Dynamics in Functional  $\pi$ -Electronic Systems”  
18 May 2017
- Associate Scientist KOBAYASHI, Takeshi  
U.S. Department of Energy, Ames National Laboratory, U.S.A.  
“New Developments in the Studies of Surfaces by DNP-enhanced Solid-state NMR Methods”  
11 November 2017
- Dr KRANZ, Christine  
Institute of Analytical and Bioanalytical Chemistry, Ulm University, Germany  
“Mid-Infrared Spectroelectrochemistry”  
27 March 2017
- Dr LADMIRAL, Vincent  
Universite Montpellier 2, France  
“Macromolecular Engineering of Poly(Vinyl Fluoride)”  
19 April 2017
- Assoc Prof LI, Limin  
Xi'an Jiaotong University, China, P.R.  
“Multi-view Learning Models and the Application in Cancer Sub-type Discovery”  
21 November 2017
- Dr MANABE, Shino  
RIKEN, National Cancer Center Japan, Tokyo, Japan  
“Reexamination of Pyranoside Cleavage: From Mechanism Analysis to Development of Useful Synthesis Method”  
7 September 2017
- Prof MILNER, Scott T.  
Department of Chemical Engineering, The Pennsylvania State University, U.S.A.  
“Simulations of Dynamical Glass Transition in Hard Spheres and PS Thin Films”  
29 May 2017
- Prof MIZAIKOFF, Boris  
Institute of Analytical and Bioanalytical Chemistry, Ulm University, Germany  
“Mid-Infrared Photonics: Towards IR-on-a-Chip”  
27 March 2017
- Assoc Prof OHKI, Yasuhiro  
Graduate School of Science, Nagoya University, Aichi, Japan  
“Development of Hydride Cluster with Iron-group Elements and its Application to Catalytic Nitrogen Reduction”  
13 March 2017
- Mr. OKUZONO, Shuichi  
Organo Corporation, Tokyo, Japan  
“Industrial Application of Amine Compounds and Water Purification”  
14 January 2017
- Prof OLSSON, Eva  
Department of Physics, Chalmers University of Technology, Sweden  
“In situ TEM Studies of Electrical, Mechanical and Thermal Properties”  
6 March 2017
- Assoc Prof ONODA, Akira  
Graduate School of Engineering, Osaka University, Osaka, Japan  
“Biohybrid Catalysts Harboring a Synthetic Catalyst within an Asymmetric Protein Environment”  
19 October 2017
- Prof OZAWA, Takeaki  
School of Science, The University of Tokyo, Tokyo, Japan  
“Opto-bioanalysis of Receptor Activation and Signaling Using Genetically-encoded Probes”  
26 May 2017
- Dr PAËPE, Gaël De  
CEA Grenoble, France  
“DNP in Grenoble: Radical Design and Advanced Instrumentation for Challenging Applications”  
6 November 2017
- Prof RAPPENNE, Gwénaél  
Université de Toulouse, France  
“Technomimetic Nanomachines: Molecular Wheels, Vehicles, Rotors and Motors”  
23 October 2017
- Assoc Prof SAEKI, Takayuki  
High Energy Accelerator Research Organization, Ibaraki, Japan  
“SRF Accelerator Cavity Fundamental”  
29 June 2017  
“Fabrication Technology of SRF Accelerator Cavity”  
13 December 2017
- Prof SAKAWA, Youichi  
Institute of Laser Engineering, Osaka University, Osaka, Japan  
“Exploring the Universe with Giant Laser: Laser Astronomy”  
5 October 2017
- Dr SEMSARILAR, Mona  
Universite Montpellier 2, France  
“Preparation of Smart Membranes from Block Copolymers”  
19 April 2017
- Prof SENTOKU, Yasuhiko  
Institute of Laser Engineering, Osaka University, Osaka, Japan  
“Simulations for Laser-Plasma Interactions”  
1 February 2017
- Team Leader SESE, Jun  
AIST on machine learning (Visiting associate professor of Bioinformatics Center), Tokyo, Japan  
“Statistical Significance of Marker Combinations: Theory and Applications”  
30 November 2017
- Prof SMIRNOV, Alex I.  
North Carolina State University, U.S.A.  
“Combining Solid State NMR, DNP, DEER and Nanotechnology for Structural Studies of Membrane Proteins in Native Lipid Bilayer Environment”  
9 November 2017

Prof SUGIOKA, Koji  
Institute of Physical and Chemical Research, Saitama, Japan  
“High-performance Materials Processing by Using Manipulated Laser Beams”  
10 February 2017  
“Femtosecond Laser 3D Micro- and Nano-Processing And It’s Applications”  
3 March 2017

Dr TACHIBANA, Yoichi  
Kyoto Municipal Institute of Industrial Technology and Culture, Kyoto, Japan  
“Current State of Urushi”  
26 September 2017

Prof TANAKA, Kazuo  
“Horia Hulubei” National Institute for R&D, Romania  
“Introduction of ELI-NP”  
25 April 2017

Prof TANASE, Tomoaki  
Nara Women’s University, Nara, Japan  
“Structurally Constrained Transition Metal Clusters by Using Linear Multidentate Phosphines —Focusing on Molecular Metal Atom Chains—”  
10 November 2017

Lecturer THAN, Khoat  
Data Science Laboratory, School of Information and Communication Technology, Hanoi University of Science and Technology, Vietnam  
“Probabilistic Topic Modeling for Discovering Hidden Semantics from Massive Data”  
10 April 2017

Dr TOMII, Kentaro  
Intelligent Bioinformatics Research Team, Artificial Intelligence Research Center, Advanced Industrial Science and Technology (AIST), Tokyo, Japan  
“A Novel Amino Acid Substitution Matrix for Identifying Distantly Related Proteins”  
21 July 2017

Dr URAKAMI, Hiromitsu  
Royal Society of Chemistry, Tokyo, Japan  
“Role of Publisher ~From Submission to Publication, and Afterwards”  
2 February 2017

Prof WAGNER, Matthias  
Universität Frankfurt, Germany  
“Development of Luminescent Polycyclic Aryl Boranes for Materials Science”  
18 October 2017

Prof WEIGAND, Jan J.  
Technische Universität Dresden, Germany  
“Modern Aspects of Main-Group Chemistry with a Focus on Group 15 Elements”  
30 March–1 April 2017  
“Phosphorus Derivatives: From Synthetic Application to Metal Recycling within the Urban Mining”  
1 April 2017

Prof WEIX, J. Daniel  
University of Rochester, U.S.A.  
“Cross-Electrophile Coupling: Principles and New Reactions”  
20 May 2017

Prof WICKER, Nicolas  
Lille 1 University, France  
“Multidimensional Fitting and Projection under Pairwise Distance Control”  
14 April 2017

Prof WIRHT, Thomas  
Cardiff University, U.K.  
“Iodine Reagents in Synthesis and Flow Chemistry”  
21 July 2017

Postdoctoral Fellow XU, Yingying  
Helsinki Institute of Information Technology, Finland  
“Inverse Finite-size Scaling for High-Dimensional Significance Analysis”  
18 December 2017

Prof YAMAGUCHI, Shinjiro  
Graduate School of Life Sciences, Tohoku University, Miyagi, Japan  
“Strigolactone: Carotenoid-derived Phytohormone with a Allelochemical Function”  
25 May 2017

Dr YASUDA, Nobuyoshi  
Merck Research Institute, MERCK&CO., INC., U.S.A.  
“The Art of Process Chemistry – Creative Work; past, now & future –”  
9 November 2017

Assoc Prof YOSHIKAI, Naohiko  
Nanyang Technological University, Singapore  
“Cobalt Catalysis for C–H Functionalization”  
13 March 2017