

November 14 (Thu)

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Chair: Chen-Bin HUANG

- 9:00-9:35 Chirality in optical and mechanical metamaterials
[Keynote] Martin WEGENER (Karlsruhe Institute of Technology, Germany)
- 9:35-10:10 Enhanced water splitting under modal strong coupling conditions
[Keynote] Hiroaki MISAWA (Hokkaido University, Japan)

----[Room B]----

Chair: Wakana KUBO

- 9:00-9:35 Meta-optics: meta-lens for imaging and sensing
[Keynote] Mu-Ku CHEN, Ren Jie LIN, Lin LI, Cheng Hung CHU, Hsin Yu KUO, Jia-Wern CHEN, Ji CHEN, Vin-Cent SU, Shuming WANG, Tao LI, Zhenlin WANG, Shining ZHU, Din-Ping TSAI (Academia Sinica, National Taiwan University, Taiwan, The Hong Kong Polytechnic University, Nanjing University, Ministry of Education, Collaborative Innovation Center of Advanced Microstructures, China, National United University, Taiwan)
- 9:35-10:10 Metasurfaces for active wavefront manipulation and AR/VR
[Keynote] Mark BRONGERSMA (Stanford University, USA)
- 10:10-10:30 Coffee Break

----[Room A]----

Chair: Hiroaki MISAWA

- 10:30-10:55 Recent development of the photochemical reactions and the opto-electric devices using a near-field assisted excitation
[Invited] Takashi YATSUI (University of Tokyo, Japan)
- 10:55-11:20 Gap mode induced photocatalytic reactions of p-alkyl thiophenol and related molecules
[Invited] Masayuki FUTAMATA, Kanae TABELI, Akai KEITARO (Saitama University, Japan)
- 11:20-11:45 On plasmonics and photochemical manipulation in films of polymers
[Invited] Zouheir SEKKAT (Mohammed V University in Rabat, MAScIR, Morocco, Osaka University, Japan)

----[**Room B**]----

Chair: Din Ping TSAI

- 10:30-10:55 Visualizing high order plasmons in single metal mesoplates
[Invited] Kohei IMURA (Waseda University, Japan)
- 10:55-11:20 Surface plasmon resonances revisited as Fano resonances
[Invited] Shinji HAYASHI, V. Dmitry NESTERENKO, Zouheir SEKKAT (Kobe University, Japan, MAScIR, Morocco, Samara University, Japan, Mohammed V University in Rabat, Morocco, Osaka University, Japan)
- 11:20-11:45 Size- and composition-dependent localized surface plasmon resonance of
[Invited] colloidal Au-Ag nanorings
Tsukasa TORIMOTO, Kosuke SASAMOTO, Tatsuya KAMEYAMA (Nagoya University, Japan)

----[**Room C**]----

Chair: Masanobu HARAGUCHI

- 10:30-10:55 Silicon Mie resonators for subwavelength color generation and multipole
[Invited] engineering
Junichi TAKAHARA (Osaka University, Japan)
- 10:55-11:20 Photonic and phononic metamaterials manufactured for large scale
[Invited] applications
Xiaobo YIN (University of Colorado Boulder, USA)
- 11:20-11:45 Nanowire plasmons coupling with quantum emitters
[Invited] Hong WEI (Chinese Academy of Sciences, China)
- 11:45-13:00 Lunch Break

----[**Room A**]----

Chair: Junichi TAKAHARA

- 13:00-13:35 Visualization of chiral plasmons and near-field interactions
[Keynote] Hiromi OKAMOTO (Institute for Molecular Science, Japan)
- 13:35-14:10 Extreme nano antennas for terahertz quantum plasmonics
[Keynote] Daisik KIM (UNIST, Korea)

----[**Room B**]----

Chair: Kei MURAKOSHI

- 13:00-13:35 Plasmonic colours and surface chemistry of laser-written bulk silver
[Keynote] Jean-Michel GUAY, Antonino Calà LESINA, Jaspreet WALIA, Graham KILLLAIRE, Josh BAXTER, Lora RAMUNNO, Arnaud WECK, Pierre BERINI (University of Ottawa, Canada)
- 13:35-14:10 Angular dispersions and line-shape tailoring in plasmonic metasurfaces
[Keynote] Lei ZHOU (Fudan University, China)
- 14:10-14:30 Coffee Break

----[**Room A**]----

Chair: Pierre BERINI

- 14:30-14:55 Expanding the horizons of metasurfaces
[Invited] Uriel LEVY (The Hebrew University of Jerusalem, Israel)
- 14:55-15:20 Design of metamaterials based on neural networks
[Invited] Kotaro KAJIKAWA (Tokyo Institute of Technology, Japan)
- 15:20-15:45 Dynamic modulation of plasmonic nanolasers based on graphene-insulator-metal platform
[Invited] Tien-Chang LU (National Chiao Tung University, Taiwan)

----[**Room B**]----

Chair: Lei ZHOU

- 14:30-14:55 Plasmonic metamaterial using random structure of metal nanoparticles on mirror
[Invited] Koichi OKAMOTO (Osaka Prefecture University, Japan)
- 14:55-15:20 Revisiting the photon-drag effect in metal films
[Invited] Henri LEZEC (National Institute of Standards and Technology, University of Maryland, Virginia Tech, USA, National University of Singapore, Singapore, Brown University, USA)
- 15:20-15:45 Spectral light-field imaging based on metalens array
[Invited] Shuming WANG, Shumin XIAO, Xun CAO, Din Ping TSAI (Nanjing University, Harbin Institute of Technology, The Hong Kong Polytechnic University, China)

----[**Room C**]----

Chair: Tsukasa TORIMOTO

- 14:30-14:55 Rectangular plasmon resonator device for sensing application
[Invited] Masanobu HARAGUCHI, Shun KAMADA, Toshihiro OKAMOTO, Atsushi MORI, Hiroyuki OKAMOTO (Tokushima University, National Institute of Technology, Anan College, Japan)
- 14:55-15:20 Plasmonically-powered electronic excitation in nano-materials
[Invited] Kei MURAKOSHI (Hokkaido University, Japan)
- 15:20-15:45 Plasmon-induced optical force using nano-engineered metallic particles and its application to optical sensors
[Invited] Kosei UENO (Hokkaido University, Japan)

----[**Room A**]----

- 15:45-16:00 Closing remarks & Student Poster Award Ceremony