

GNP2019 Program

9th December 2019, Monday

| Time | |
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| 9:00-9:30 | Registration |
| 9:30-10:00 | <p>Opening remarks</p> <p>Chun-hsien Chen Associate Dean of College of Science, NTU Paoti Chang Chair of Dept. of Physics, NTU Chih-Wei Chu Deputy Director of RCAS, AS Prabhat Verma Co-Chair of GNP2019</p> |
| | Session 1 (Chair: Prabhat Verma Osaka University) |
| 10:00-10:30 | <p>IN-01 Satoshi Kawata Osaka University <i>Fluctuation and optical microscopy</i></p> |
| 10:30-11:00 | <p>IN-02 ByoungHo Lee Seoul National University <i>Potential applications of metasurface</i></p> |
| 11:00-11:30 | <p>IN-03 Ortwin Hess Imperial College London <i>Nanoplasmonic strong coupling</i></p> |
| 11:30-12:00 | <p>IN-04 Junichiro Kono Rice University <i>Plasmons, excitons, and polaritons in carbon nanotubes</i></p> |
| 12:00-13:30 | Lunch |
| | Session 2 (Chair: Yu-Jung Lu Academia Sinica) |
| 13:30-14:00 | <p>IN-05 Masayoshi Tonouchi Osaka University <i>Near surface built-in field of wide gap semiconductors studied by LTEM</i></p> |
| 14:00-14:30 | <p>IN-06 Shriganesh Prabhu Tata Institute of Fundamental Research <i>Enhanced terahertz (THz) emission from photoconductive antenna with embedded plasmonic metasurface on semiconductor substrate and THz studies of metamaterial</i></p> |
| 14:30-15:00 | <p>IN-07 Ranjan Singh Nanyang Technology University <i>All-silicon topological waveguides for THz communication</i></p> |
| 15:00-15:30 | <p>IN-08 Kuo-Ping Chen National Chiao Tung University <i>Hybridization of silicon nanoparticle and plasmonics</i></p> |
| 15:30-16:00 | Coffee break |
| | Session 3 (Chair: ByoungHo Lee Seoul National University) |
| 16:00-16:30 | <p>IN-09 Vincent Daria Australia National University <i>Neuro-nanophotonics: probing how brain circuits form and function using photonics and metasurfaces</i></p> |
| 16:30-17:00 | <p>IN-10 Yasushi Inouye Osaka University <i>Highly sensitive ion detection based on propagating surface plasmon resonance for bio-sensing and bio-imaging</i></p> |
| 17:00-17:30 | <p>IN-11 Nicholas I. Smith Osaka University <i>Multimodal Raman imaging and analysis for observation of single-cell biological responses</i></p> |
| 17:30-20:00 | Welcome reception |

10th December 2019, Tuesday

| Time | |
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| | Session 4 (Chair: Ranjan Singh Nanyang Technology University) |
| 9:00-9:30 | IN-12 Din Ping Tsai Hong Kong Polytechnic University <i>Meta-optics: meta-lens for imaging and sensing</i> |
| 9:30-10:00 | IN-13 Junichi Takahara Osaka University <i>Metasurface for color generation, light emission and radiative cooling</i> |
| 10:00-10:30 | IN-14 Tsung Sheng Kao National Chiao Tung University <i>Plasmon-assisted random lasing actions in nanocrystalline metal-halide perovskites</i> |
| 10:30-11:00 | Coffee break |
| | Session 5 (Chair: Junichiro Kono Rice University) |
| 11:00-11:30 | IN-15 Masanori Ozaki Osaka University <i>Transparent hologram based on patterned cholesteric liquid crystal with self-organized helical nano-structure</i> |
| 11:30-12:00 | IN-16 Chang-Hua Liu National Tsing Hua University <i>Optoelectronics and nanophotonics based on van der Waals materials</i> |
| 12:00-12:30 | IN-17 Po-Tsung Lee National Chiao Tung University <i>Tailoring light by photonic crystal nanocavities and metallic nanoapertures</i> |
| 12:30-14:00 | Lunch |
| | Session 6 (Chair: Shu-Wei Chang Academia Sinica) |
| 14:00-14:30 | IN-18 Yasuaki Kumamoto Osaka University <i>Biological imaging with deep-UV light by lanthanide ions</i> |
| 14:30-15:00 | IN-19 Taka-aki Yano Tokushima University <i>All-dielectric field enhanced spectroscopy beyond the plasmonic limit</i> |
| 15:00-17:00 | Poster session & Coffee break |
| | Session 7 (Chair: Shi-Wei Chu National Taiwan University) |
| 17:00-17:30 | IN-20 Venu Gopal Achanta Tata Institute of Fundamental Research <i>Hot carrier dynamics in plasmonic systems</i> |
| 17:30-18:00 | IN-21 Wakana Kubo Tokyo University of Agriculture and Technology <i>Photoelectric conversion via plasmonic local heat</i> |
| 18:00-18:30 | IN-22 Yu-Jung Lu Academia Sinica <i>Active control of plasmonic enhanced light emission</i> |
| 19:00-21:00 | Banquet in Howard Civil Service International House |

11th December 2019, Wednesday

| Time | |
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| | Session 8 (Chair: Nicholas I. Smith Osaka University) |
| 9:00-9:30 | IN-23 Yoshimasa Kawata Shizuoka University <i>High resolution imaging of ion-distribution with electron beam excitation</i> |
| 9:30-10:00 | IN-24 Takuo Tanaka RIKEN <i>Metamaterials-enhanced ultra-sensitive spectroscopy</i> |
| 10:00-10:30 | IN-25 Takayuki Umakoshi Osaka University <i>Plasmon nanofocusing for near-field optical imaging</i> |
| 10:30-11:00 | Coffee Break |
| | Session 9 (Chair: Takuo Tanaka RIKEN) |
| 11:00-11:30 | IN-26 Tien-Chang Lu National Chiao Tung University <i>Control of plasmonic nanolasers on graphene-insulator-metal platform</i> |
| 11:30-12:00 | IN-27 Chen-Bin Huang National Tsing Hua University <i>Generation of guided propagating optical second-harmonics using a plasmonic two-wire transmission-line</i> |
| 12:00-12:30 | IN-28 Min-Hsiung Shih Academia Sinica <i>Functional photon sources with two-dimensional TMDC atomic layers</i> |
| 12:30-13:00 | Closing ceremony |
| 13:00-17:30 | Lunch & Excursion (Juming Museum) |