

The 4th Korea-Japan Metamaterials Forum (2014)  
Osaka University, Toyonaka Campus, Sigma Hall

December 22 (Mon)	December 23 (Tue)	December 24 (Wed)
	<b>Session 3 (Chair: Masanobu Iwanaga)</b> 9:00 - 10:30 <b>[IT7] Namkyoo Park (Seoul National Univ)</b> Low-dimensional chirality based on parity-time symmetric metamaterials <b>[IT8] Takashi Hisakado (Kyoto University)</b> Expression of radiation by equivalent circuit model with retardation <b>[IT9] Bumki Min (KAIST)</b> Nondispersive optical activity of meshed helical metamaterials Coffee Break 10:30 - 11:00 <b>Session 4 (Chair: Namkyoo Park)</b> 11:00 - 12:30 <b>[IT10] Masanobu Iwanaga (NIMS)</b> Metasurface engineering for enhanced emissions <b>[IT11] Jonghwa Shin &amp; Tae Yong Chang (KAIST)</b> Effect of the surface region in the extraction of metamaterial parameters <b>[IT12] Yasushi Horii (Kansai University)</b> Design of purely-reactive non-Foster circuits based on Linvill's negative impedance converter Lunch 12:30 - 14:00 <b>Poster Session</b> (Room: Foyer) 14:00 - 15:30 Coffee Break 15:30 - 16:00 <b>Session 2 (Chair: Seok Ho Song)</b> 16:00 - 17:30 <b>[IT4] Jeong Weon Wu (Ewha Womans Univ)</b> Optical spin Hall effect in a complementary phase-discontinuity metasurface <b>[IT5] Kihong Kim (Ajou University)</b> Enhanced optical phase conjugation in metamaterials <b>[IT6] Hiroyuki Deguchi (Doshisha Univ)</b> Design of composite right/left handed transmission lines and artificial surfaces using genetic algorithm and spectral domain MoM	<b>Session 6 (Chair: Q-Han Park)</b> 9:00 - 10:30 <b>[IT16] Masaya Nagai (Osaka University)</b> Achromatic THz wave plate composed of stacked parallel metal plates <b>[IT17] ByoungHo Lee (Seoul National Univ)</b> Meta-slits for plasmonic focus control <b>[IT18] Teruya Ishihara &amp; Marjan Akbari (Tohoku University)</b> Linear and nonlinear optical properties of nanoporous gold Coffee Break 10:30 - 11:00 <b>Session 7 (Chair: Teruya Ishihara)</b> 11:00 - 12:30 <b>[IT19] Young Chul Jun (Inha University)</b> Semiconductor epsilon-near-zero nano-optics <b>[IT20] Kazuaki Sakoda (NIMS)</b> Artificial Dirac cones and effective mass engineering <b>[IT21] Q-Han Park (Korea University)</b> Fractional resonance <b>Closing Remark (Teruya Ishihara)</b> 12:30
<b>Opening Remark 1 (Kazuaki Sakoda)</b> 13:30 - 13:45 <b>Opening Remark 2 (Jeong Weon Wu)</b> 13:45 - 14:00 <b>Session 1 (Chair: Kazuaki Sakoda)</b> 14:00 - 15:30 <b>[IT1] Doyeol Ahn (University of Seoul)</b> Invisibility cloaks with compressed geometry and negative index media <b>[IT2] Yukie Yokota (RIKEN)</b> Plasmonic resonant interaction between gold nanostructures of curvilinear and straight nanorods <b>[IT3] Seok Ho Song (Hanyang University)</b> Coffee Break 15:30 - 16:00 <b>Session 2 (Chair: Seok Ho Song)</b> 16:00 - 17:30 <b>[IT4] Jeong Weon Wu (Ewha Womans Univ)</b> Optical spin Hall effect in a complementary phase-discontinuity metasurface <b>[IT5] Kihong Kim (Ajou University)</b> Enhanced optical phase conjugation in metamaterials <b>[IT6] Hiroyuki Deguchi (Doshisha Univ)</b> Design of composite right/left handed transmission lines and artificial surfaces using genetic algorithm and spectral domain MoM	<b>Session 3 (Chair: Masanobu Iwanaga)</b> 9:00 - 10:30 <b>[IT7] Namkyoo Park (Seoul National Univ)</b> Low-dimensional chirality based on parity-time symmetric metamaterials <b>[IT8] Takashi Hisakado (Kyoto University)</b> Expression of radiation by equivalent circuit model with retardation <b>[IT9] Bumki Min (KAIST)</b> Nondispersive optical activity of meshed helical metamaterials Coffee Break 10:30 - 11:00 <b>Session 4 (Chair: Namkyoo Park)</b> 11:00 - 12:30 <b>[IT10] Masanobu Iwanaga (NIMS)</b> Metasurface engineering for enhanced emissions <b>[IT11] Jonghwa Shin &amp; Tae Yong Chang (KAIST)</b> Effect of the surface region in the extraction of metamaterial parameters <b>[IT12] Yasushi Horii (Kansai University)</b> Design of purely-reactive non-Foster circuits based on Linvill's negative impedance converter Lunch 12:30 - 14:00 <b>Poster Session</b> (Room: Foyer) 14:00 - 15:30 Coffee Break 15:30 - 16:00 <b>Session 5 (Chair: Yasushi Horii)</b> 16:00 - 17:30 <b>[IT13] Junsuk Rho (POSTECH)</b> Reconfigurable THz chiral metamaterials and 3D nanofabrication for metamaterials <b>[IT14] Keisuke Takano (Osaka University)</b> Terahertz response of randomly connected checkerboard patterns <b>[IT15] Sam Hyun Lee (Yonsei Univ)</b> Acoustic superlensing with negative density metamaterials	<b>Session 6 (Chair: Q-Han Park)</b> 9:00 - 10:30 <b>[IT16] Masaya Nagai (Osaka University)</b> Achromatic THz wave plate composed of stacked parallel metal plates <b>[IT17] ByoungHo Lee (Seoul National Univ)</b> Meta-slits for plasmonic focus control <b>[IT18] Teruya Ishihara &amp; Marjan Akbari (Tohoku University)</b> Linear and nonlinear optical properties of nanoporous gold Coffee Break 10:30 - 11:00 <b>Session 7 (Chair: Teruya Ishihara)</b> 11:00 - 12:30 <b>[IT19] Young Chul Jun (Inha University)</b> Semiconductor epsilon-near-zero nano-optics <b>[IT20] Kazuaki Sakoda (NIMS)</b> Artificial Dirac cones and effective mass engineering <b>[IT21] Q-Han Park (Korea University)</b> Fractional resonance <b>Closing Remark (Teruya Ishihara)</b> 12:30

**Reception**  
(Cafeteria Sora)  
18:00 - 19:30