

<b>[TuPM2-07] Plasmonic Antenna</b>	
<b>Date / Time</b>	Aug. 28 (Tue.), 2018 / 16:45-18:45
<b>Place</b>	302 (Room F)
<b>Session Chair</b>	Mikael Käll (Chalmers University of Technology, Sweden)

**[TuPM2-07-I-1] (Invited) 16:45-17:05**

**Integrating Metallic and Non-Metallic Nanoparticle Building Blocks into Discrete Plasmonic Molecules and Extended Photonic-Plasmonic Structures for Surface-Enhanced Vibrational Spectroscopy**

Björn M. Reinhard

*Boston University, USA*

**[TuPM2-07-I-2] (Invited) 17:05-17:25**

**Plasmonic Manipulation from Responsive Colloid for Optical Actuators and High Performance SERS in Aqueous Systems**

Ji Eun Song<sup>1</sup>, Sora Lim<sup>1</sup>, Hakseong Kim<sup>2</sup>, Sangwook Lee<sup>3</sup>, Ju A La<sup>1</sup>, and Eun Chul Cho<sup>1</sup>

<sup>1</sup>*Hanyang University, Korea*, <sup>2</sup>*KRISS, Korea*, <sup>3</sup>*Ewha Womans University, Korea*

**[TuPM2-07-I-3] (Invited) 17:25-17:45**

**Controlled Assembly of Plasmonic Nanoparticles**

Sangwoon Yoon

*Chung-Ang University, Korea*

**[TuPM2-07-O-4] 17:45-18:00**

**Plasmonic Properties of Self-Assembled Multi-Layered Vertically Aligned Au Nanorod Arrays**

Li-Lin Tay<sup>1</sup>, John Hulse<sup>1</sup>, Sarah Milliken<sup>2</sup>, Jeff Fraser<sup>1</sup>, and Shawn Poirier<sup>1</sup>

<sup>1</sup>*National Research Council Canada, Ottawa, Canada*, <sup>2</sup>*University of Alberta, Canada*

**[TuPM2-07-O-5] 18:00-18:15**

**Optimised Flexible Gold-Coated Silicon Nanowires for High Sensitivity Bio-Sensing by SERS**

Andrea M. Giovannozzi, Luisa Mandrile, Eleonora Cara, Federico Ferrarese Lupi, Chiara Portesi, Luca Boarino, Natascia De Leo, and Andrea Mario Rossi

*Istituto Nazionale di Ricerca Metrologica (INRiM), Italy*

**[TuPM2-07-K-6] (Keynote) 18:15-18:45**

**Engineering Light-Matter Interactions at the Nanoscale in Nanowire Photodetectors and Silicon Nano-Antenna Optical Tweezers**

Kenneth B. Crozier

*The University of Melbourne, Australia*