

# Joint Symposium of Imperial College London and Tokyo Institute of Technology

April 3, 2015

Ookayama campus, Tokyo

Main bldg. 4F (工学系第一会議室)

Organized by "Invitation Program for Faculty  
from the World's Top-Level Universities"



## -Recent advances in spectroscopic imaging and other modern techniques -

### Programs

Chair: Sergei Kazarian and Junko Morikawa

10:00-10:10 Opening: Kikuo Kishimoto (Dean of Graduate School of Engineering, Tokyo Inst. Tech.)

10:10-10:30 General Review: Junko Morikawa (Tokyo Institute of Technology, Japan)

10:30-11:30 "FT-IR spectroscopic imaging: New Trends and Emerging Applications"  
Sergei Kazarian (Imperial College London, UK)

11:30-12:00 "ATR-FTIR spectroscopic imaging of pharmaceutical formulations"  
James Kimber (Imperial College London, UK)

- Lunch Break -

14:00-14:30 "Application of FT-IR imaging and NIR spectroscopy to polymer processing"  
Yuta Hikima (Kyoto University, Japan)

14:30-15:00 "Development of NIR imaging devices and its application"  
Daitaro Ishikawa (Tohoku University, Japan)

15:00-15:30 "FT-IR Spectroscopy, Basics and Quality Control Applications"  
Shigeru Shimada (Bruker, Japan)

- Tea Break -

15:45-16:15 "Photonics meets materials: high precision fabrication for light management  
at nanoscale"  
Saulius Juodkasis (Swinburn University, Australia)

16:15-17:15 "Raman and Tip-enhanced Raman scattering studies of graphenes"  
Yukihiro Ozaki (Kwansei gakuin, Japan)

17:15-17:20 Closing

17:30-19:00 Wine party

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