

Symposium on Advanced Spectroscopy

October 8 (Friday), 12:55-17:00
Sosei Hall (Seminar Room B-C, 4th floor), Hokkaido University

Organized by the Hokkaido Chapter of The Spectroscopical Society of Japan

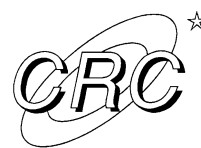
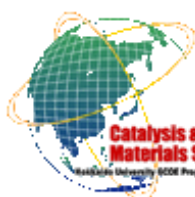
Co-organized by

Hokkaido University Global COE Program "Catalysis as the Basis for the Innovation in Materials Science"

Hokkaido Branch of The Chemical Society of Japan

Hokkaido Branch of The Japan Society for Analytical Chemistry

Catalysis Research Center, Hokkaido University



Program

- 12:55 – 13:00 Opening Address
- 13:00 – 13:30 **Katsuyoshi Ikeda** (Hokkaido University)
Gap-mode plasmon enhanced Raman scattering at atomically smooth surfaces of gold and platinum single crystals
- 13:30 – 14:00 **Takeshi Hasegawa** (Tokyo Institute of Technology)
Structure in a condensed film of molecules and metal particles: Infrared and visible spectroscopy using multiple-angle incidence resolution spectrometry
- 14:00 – 15:00 **Peter Griffiths** (University of Idaho) [**GCOE Innovation Lecture**]
Substrates for SEIRA and SERS produced by electroless deposition and microemulsions
- 15:00 – 15:20 Break
- 15:20 – 15:50 **Takakazu Nakabayashi** (Hokkaido University)
Measurements of intracellular environments by fluorescence lifetime imaging microscopy
- 15:50 - 16:20 **Shen Ye** (Hokkaido University)
Sum frequency generation (SFG) study on the enzyme-catalyzed hydrolysis process of a supported phospholipid bilayer
- 16:20 – 16:50 **Akira Yamakata** (Toyota Technological Institute)
Time-resolved surface-enhanced infrared absorption study on destruction of hydration shells at the electrochemical interface.
- 16:50 – 17:00 Closing Remarks