

# The 9<sup>th</sup> Kanomax International Aerosol Workshop

~Global Frontiers in Atmospheric Environmental Chemistry Research and Bioaerosol Measurement~

## Key note speech

**10:00-11:40**

"From Atmospheric Formation to Respiratory Deposition: Urban Aerosol Characterization Integrating NPF Dynamics, Traffic Source Analysis, and LDSA Health Metrics"

Ta-Chi Hsiao, Ph.D.

Graduate Institute of Environmental Engineering,  
National Taiwan University

"Aerosol Microscopy - Visualization of microphysics and microchemistry -"

Takafumi Seto, Ph.D.

Faculty of Frontier Engineering, Institute of Science and Engineering,  
Kanazawa University

## Session 1 : Current Activities at Bioaerosol

**13:00-14:05**

"Current studies in our laboratory on monitoring of airborne pathogens"

Jungho Hwang, Ph.D.

Department of Mechanical Engineering, Yonsei University

"Lessons for Quantitative Analysis of Airborne Microorganisms"

Fumito Maruyama, Ph.D.

The IDEC Institute, Hiroshima university

"Calibration of Bio-Fluorescent Particle Counter (BFPC)"

Kenjiro Iida, Ph.D.

National Institute of Advanced Industrial Science and Technology

## Session2 : Current Activities at Atmospheric Environment

**14:05-14:50**

"Real-time Measurement Data

Based Study on the Nucleation and Growth of the Atmospheric Aerosol Particles"

Changhyuk Kim, Ph.D.

Environmental Engineering, Pusan National University

"Investigating heterogeneous reaction with aerosol optical tweezers"

Chenxi Li, Ph.D.

Shanghai Jiao Tong University

## Session3: Advanced Aerosol Measuring Instrumentation Technic

**15:10-16:20**

"Evaluation of CMP Slurry Abrasive Particles with Liquid Nanoparticle Sizer System and Aerosol Particle Mass Analyzer and preparation of sulfuric acid monitoring"

Dongbin Kwak Ph.D.

Seoul National University of Science and Technology

"Detection of semi-volatile compounds in nanoparticles using high-purity nebulization, aerosol sample heating, and threshold particle counting"

Derek Oberreit Ph.D.

Kanomax FMT

"Characterization of Tribologically Charged Micropowders via Aerosol Instrumentation"

Chris Hogan Ph.D.

Mechanical Engineering, University of Minnesota

## Demonstration Session

**16:20-17:10**

We will be demonstrating our products, including those related to the above presentations.

## Reception

**17:30-19:30**

The Prince Sakura Tower Tokyo, 2F