3rd International Symposium


JSPS Program for Advancing Strategic International Networks to Accelerate the Circulation of Talented Researchers

Place: Hotel Noto Kinpura (Otsusaka, Noto, Hosu, Ishikawa)
Date: October 9 (Mon) - 10 (Tue), 2017
Organizer: Institute of Nature and Environmental Technology, Kanazawa University (Joint Usage/Research Center selected by MEXT, Japan)
Sponsor: Japan Society for the Promotion of Science
Monday, October 9

12:00-13:00  Registration

13:00-17:30  Symposium

13:00-13:10  Opening Remarks
Prof. Kazuichi Hayakawa (Program Director)

13:10-13:20  Welcome Address
Prof. Koetsu Yamazaki (President of Kanazawa University)

Plenary Lectures  
Chair: Takafumi Seto

13:20-14:00  Design of Aerosol Measurement: Developments and Opportunities
Prof. Richard C. Flagan (California Institute of Technology)

14:00-14:40  Atmospheric Aerosols: PMx-Issue and Visibility
Prof. Wladyslaw W. Szymanski (University of Vienna)

14:40-15:20  A proposal for collaborative research on urban aerosols in Singapore
Prof. Stephen B. Pointing (Auckland University of Technology/Yale NUS College)

15:20-16:30  Coffee Break & Poster Presentation

Key Note Lectures  
Chair: Seiya Nagao

16:30-17:00  Influences of Continental Anthropogenic Sources on Organic Aerosols in the Coastal Atmosphere of East China
Prof. Min Hu (Peking University)

17:00-17:30  Biological Monitoring of Exposure to Diesel Exhaust Using Urinary 1-Nitropyrene Metabolites.
Prof. Christopher D. Simpson (Washington University)

18:30-20:00  Symposium Dinner (with Awarding Ceremony for Posters)
Monday, October 9

Poster Presentations

P- 1.  Low-Level of the FDNPP-derived raiodcesium in marine products around the western Japanese

   Ms. Shiori Yamashita (M; Kanazawa University)

P- 2.  Radioactivity Variation and Transport Behavior of Radiocesium in the Natusi River after the Fukushima Dai-Ichi Nuclear Power Plant Accident

   Mr. Toshiki Morokado (M; Kanazawa University)

P- 3.  Sedimentation Processes of Radiocesium at Mountain Lakes in Gunma Prefecture, Japan

   Mr. Shohei Miyasaka (M; Kanazawa University)

P- 4.  3A06 Study on Migration Behavior of Suspended Solids in the Kumaki River Using Carbon-Nitrogen Isotope Ratio and Radionuclides

   Mr. Ryunosuke Tahara (M; Kanazawa University)

P- 5.  Stress Response of Noto Deep Ocean Water in Marine Fishes

   Mr. Takahiro Ikari (M; Kanazawa University)

P- 6.  Effects of α-Melanocyte-Stimulating Hormone on Osteoblasts and Osteoclasts in the Regenerating Scales of Goldfish

   Mr. Hidenori Ishizu (B; Kanazawa University)

P- 7.  Purification and Characterization of the Antibacterial L-Amino Acid Oxidase in the Red-Spotted Grouper Serum

   Mr. Yuto Osaka (B; Kanazawa University)

P- 8.  Spatial Temporal Variability of PM$_{2.5}$ in Urban Areas in Rwanda

   Mr. Egide Kalisa (D; Auckland University of Technology)

P- 9.  Characterization of Individual Ice Residual Particles by the Single Droplet Freezing Method: A Case Study in the Asian Dust Outflow Region

   Mr. Ayumi Iwata (D; Kanazawa University)

P-10. The Long-Term Ground Based Observation of Micro-Physics and Chemical Composition of Cloud Condensation Nuclei at Noto Peninsula, Japan

   Mr. Kento Kinouchi (D; Kanazawa University)


   Mr. Kohei Tadokoro (M; Kanazawa University)
P- 12. Meteorological Effects on Long-Range Transported TSP and PAHs at Noto Peninsula and Fukue Island, Japan

Ms. Lu Yang (M; Kanazawa University)

P- 13. Molecular Dynamics Simulation of Electrical Mobility of Molecular Cluster Ions

Mr. Tomoya Tamadate (M; Kanazawa University)

P- 14. Unipolar Charging of Aerosol by Surface-Discharge Microprasma

Mr. Ryoki Ito (M; Kanazawa University)

P- 15. Characterization of Vertical Structure of Nanoparticles in Fukue Island, Japan

Postdoctoral Fellow Kwangyul Lee (Kanazawa University)

P- 16. 5-Year Data of New Particle Formation Under Transboundary Air Pollutants in Fukue Island, Japan

Postdoctoral Fellow Indra Chandra (Kanazawa University)

P- 17. Characteristics of Ambient Nanoparticles in East Asian Cities Based on Monitoring Campaigns by East-Asia Nanoparticle Monitoring Network

Ms. Surapa Hongtieab (M; Kanazawa University)

P- 18. Investigation into Time Dependency of Staining Process of Microbes for Bio-aerosol Online Monitoring

Ms. Suthida Piriyakarnsakul (D; Kanazawa University)

P- 19. A Cascade Air Sampler for PM$_{0.1}$ Using a Sharp-Cut Inertial Filter Combined with an Impactor

Mr. Hideaki Takahashi (M; Kanazawa University)

P- 20. Characteristics of Particles Emitted from Wood Biomass Burned under Various Conditions

Mr. Yusuke Okazaki (M; Kanazawa University)

P- 21. Assessment of Influences of Outdoors Smoking based on Dynamic Analysis of Behaviors of Smokers and Non-smokers around an Outdoor Smoking Booth Using a Signal from Handy Phones

Mr. Nuttapon Kumsanlas (B; Kanazawa University)

D: Doctoral student
M: Master student
B: Undergraduate student
Tuesday, October 10

Collaboration Research Reports  
Chair: Masami Furuuchi

08:30-09:00  
Concept of Differential Activation Particle Sampler (DAPS)  
Prof. Yoshio Otani (California Institute of Technology-Kanazawa University)

09:00-09:30  
Development of Samplers for Airborne Nanoparticle Monitoring  
Assoc. Prof. Mitsuhiko Hata (University of Vienna-Kanazawa University)

09:30-10:00  
Collaboration Study between Kanazawa University, Japan, Auckland, New Zealand  
Prof. Kazuichi Hayakawa/Assist. Prof. Toshio Sekiguchi (Auckland University of Technology-Kanazawa University)

10:30-10:45  
Coffee Break

Collaboration Research Topics  
Chair: Nobuo Suzuki

10:45-11:05  
High Temporal Resolution Analysis of Airborne Microorganisms in New Zealand  
Research Fellow Stephen Archer (Auckland University of Technology)

11:05-11:25  
Towards Resolving Aerosol Microbial Community Structures in New Zealand  
Senior Research Officer Kevin Lee (Auckland University of Technology)

11:25-11:45  
Ecotoxicological Analysis of the Influence of Marine Pollutants on Marine Animals  
Assist. Prof. Toshio Sekiguchi (Kanazawa University)

11:45-11:50  
Closing Remarks  
Prof. Chisato Mukai (Vice President of Kanazawa University)

11:50-13:00  
Lunch