# Timetable

<table>
<thead>
<tr>
<th>Room A (Room 118)</th>
<th>Room B (Room 122)</th>
<th>Hall in front of Room A and Room 104</th>
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</thead>
<tbody>
<tr>
<td><strong>Aug. 31 (WED)</strong></td>
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<tr>
<td>A. Symposium A1</td>
<td>B. Measurement &amp; Analysis I</td>
<td>Poster (Hall)</td>
</tr>
<tr>
<td>Highly time-resolved measurement of chemical components in PM2.5</td>
<td>(9:30—11:46)</td>
<td>Exhibition (Room 104)</td>
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<tr>
<td>C. Atmospheric Aerosol I, Health Effects</td>
<td>D. Measurement &amp; Analysis II</td>
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<tr>
<td>(13:00—14:59)</td>
<td>(13:00—14:59)</td>
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<tr>
<td>YP. Short Presentation for Best Poster Award</td>
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<td>(15:10—15:30)</td>
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<td><strong>Sep. 1 (THU)</strong></td>
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<tr>
<td>E. Symposium A3</td>
<td>F. Symposium A2: Advances in aerosol measurements for nano, submicron, and supermicron size ranges</td>
<td>Poster (Hall)</td>
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<tr>
<td>Frontier researches on indoor aerosols relevant to their formation, behaviors, control and measurement technologies</td>
<td>(9:00—10:25)</td>
<td>Exhibition (Room 104)</td>
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<td>(10:35—12:17)</td>
<td>(9:00—10:30)</td>
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<tr>
<td>S. Special Lecture</td>
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<td>Evolving ships for future</td>
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<td>(13:30—14:10)</td>
<td>(10:40—11:40)</td>
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<tr>
<td>JAAST General Meeting</td>
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<td>(14:15—15:25)</td>
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<td>SS. Special Session (Iinoya Award)</td>
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<td>(15:35—16:20)</td>
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<tr>
<td>Presentation by Exhibitors</td>
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<td>(16:30—17:40)</td>
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<td><strong>Sep. 2 (FRI)</strong></td>
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<tr>
<td>G. Dynamic Behavior &amp; Deposition, Air Filter &amp; Dust Collection, Application of Aerosols</td>
<td>H. Formation &amp; Composition</td>
<td>Poster (Hall)</td>
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<tr>
<td>(8)</td>
<td>(4)</td>
<td>Exhibition (Room 104)</td>
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<tr>
<td>(9:00—11:16)</td>
<td>(11:20—12:28)</td>
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<tr>
<td>I. Atmospheric Aerosol II</td>
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<td>(12)</td>
<td>(9:00—10:42)</td>
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<td>(10:50—12:32)</td>
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</table>

The figures in parentheses after session title indicate the number of presentations.

## Instructions for Presentation

- Oral Presentation: 12 min for presentation and 5 min for discussion, excluding invited speakers.
- Short Presentation by Young Researchers (Best Poster Award): 1 min
- Special Session (Iinoya Award): 5 min for presentation and 10 min for discussion (15 min in total)
- Use your own PC for the slide projection
- Place your posters before the poster session on August 31
- Poster board size: 201 x 90 cm
Access to Osaka Prefecture University

○ From Shin Osaka or JR Osaka station, take Subway Midosuji Line (about 30 min) and get off at Nakamozu Station.
○ From Nakamozu Station, 1,000 m southeast (about a 13-minute walk)
  Take the bus (bound for Kitanoda Eki Mae, Route 31 or 32, 32-1) at Nakamozu Station (about a 5-minute ride) and get off at the Furitsu Daigaku Mae stop.
○ From Shirasagi Station, 500 m southwest (about a 6-minute walk)
PROGRAM

Wednesday, August 31

< Room A >
(Room 118)

Symposium A1

Highly time-resolved measurement of chemical components in PM$_{2.5}$

09:30–11:46
Chaired by: S. Hasegawa and M. Kido

A01 Preliminary study on real-time measurement of the elements in aerosols by virtual impactor/gas exchange device/ICP-MS
T. Okuda$^1$, M. Iwara$^1$, Y. Mori$^1$, M. Ohata$^2$
$^1$ Keio Univ., $^2$ AIST

A02 The development and evaluation of the URG-9000 ambient ion monitor for the high-time resolution quantification of ambient gas and particulate phase species using ion chromatography
(9:30–11:46)               Chaired by: S. Hasegawa and M. Kido

A03 Comparison of ionic concentrations on size-segregated atmospheric aerosol particles based on a denuder-filter method and a continuous dichotomous aerosol chemical speciation analyzer (ACSA-12)
K. Osada$^1$, Y. Kamiguchi$^1$, S. Yamamoto$^2$
S. Kuwabara$^3$, P. Xiaole$^3$, Y. Hara$^3$, I. Uno$^3$
$^1$ Nagoya Univ., $^2$ Fukuoka Pref. Dep. of Environ., $^3$ Kyusyu Univ.

A04 Hourly analysis of the components in PM$_{2.5}$ by ACSA at Kumamoto
K. Misawa$^1$, A. Yoshino$^2$, S. Tatsuta$^3$
T. Kojima$^4$, S. Hatakeyama$^4$, A. Takami$^2$
$^1$ Tokyo Metropolitan Univ., $^2$ NIES, $^3$ Tokyo Univ. of Agriculture and Technology, $^4$ Kumamoto Univ.

A05 Pollution factor analysis of PM$_{2.5}$ by aerosol automatic analyzer
R. Nakata, Y. Horie, T. Hiraki
Hyogo Prefectural Institute of Environment Sci.

A06 Dynamics of levoglucosan emitted from a forest fire: a discussion from high temporal resolution data
D. Asakawa$^1$, Y. Oku$^2$
$^1$ Osaka City Institute of Public Health and Environment Sci., $^2$ Univ of Hyogo

A07 An analysis of PM$_{2.5}$ mass and chemical components
A. Takami, A. Yoshino
NIES

A08 Trend and expansion of ambient aerosol research by aerosol mass spectrometer instruments
A. Shimore
Shorline Science Research, Inc.

BREAK (74 min)

Atmospheric Aerosol I

Health Effects

(13:00–14:50)
Chaired by: N. Ito and Y. Fujii

C01 Organic nitrogen of atmospheric aerosols in the coastal area of Seto inland sea
T. Nakamura$^1$, Y. Narita$^3$
K. Kanazawa$^1$, M. Uematsu$^2$
$^1$ National Institute of Technology, Kagawa College, $^2$ The Univ. of Tokyo

C02 Estimation of effective concentration from East Asia for the sulfate in the atmospheric aerosols at Sakai, Osaka
N. Ito, A. Mizohata
Osaka Prefecture Univ.

C03 Estimation of long-range transported PM$_{2.5}$ at Murodo, Tateyama in spring
M. Kido, M. Aibe, H. Hatasuka
Toyama Pref. Environ. Sci. Res. Center

C04 PM$_{2.5}$ source apportionment in Malaysia: Influence by Indonesian peatland fires
Y. Fujii$^1$, S. Tobino$^2$, N. Amil$^3$, M. T. Latif$^4$
$^1$ Center for Environ. Sci. in Saitama, $^2$ Kyoto Univ., $^3$ Univ. Kebangsaan Malaysia

C05 Factors controlling new particle formation at the summit of Mt. Fuji based on in situ and lidar observations
R. Kataoka$^1$, K. Miura$^1$, Y. Iwamoto$^2$, M. Yahaku$^1$
$^1$ Tokyo Univ. of Science, $^2$ Kyoto Univ.

C06 Observation of atmospheric nanoparticles using TSI-1mm-SMPS at Fukue island, Japan
L. Chandrag$^1$, L. Fengju$^2$, T. Seto$^3$, Y. Otani$^2$, N. Hama$^1$, A. Yoshino$^1$, A. Takami$^1$, N. Takegawa$^1$
$^1$ Kanazawa Univ., $^2$ Tokyo Dylec Co., $^3$ NIES, $^4$ Tokyo Metropolitan Univ.

C07 Correlation between clinical findings and yellow dust collected with eyewash solution
M. Arimoto$^1$, R. Kobi$^3$, T. Minuma$^3$, M. Hayashi$^1$, H. Hayashi$^1$, E. Uchibe$^1$, H. Fujishima$^1$, M. Nozaki$^2$, H. Yano$^1$
$^1$ KOBAYASHI Pharmaceutical Co., Ltd, $^2$ Fukuoka Univ., $^3$ Tokyo Women’s Medical Univ.

BREAK (11 min)

Short Presentation for Best Poster Award

(15:10–15:30)
Chaired by: M. Yahaku and Y. Iwamoto

YP01 Behavior of ultrafine particle formation from laser printers and reduction in their number
Y. Nishino$^1$, N. Namiki$^1$, K. Kagi$^2$, M. Ono$^3$
$^1$ Kogakuin Univ., $^2$ Tokyo Inst. of Technol., $^3$ Samsung R&D Institute Japan

YP02 Ultrafine particle collection using droplets generated by ultrasonic atomization
K. Nishishita$^1$, N. Namiki$^1$, S. Suzuki$^1$, K. Sekiguchi$^2$, S. Nii$^3$
$^1$ Kogakuin Univ., $^2$ Saitama Univ., $^3$ Kagoshima Univ.
### Wednesday, August 31

**< Room B >**

**Measurement & Analysis I**

(9:30–11:46)  
Chaired by: K. Nagato and H. Kobara

<table>
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<tr>
<th>B01</th>
<th>Gravitational effect on fundamental feature of DMA</th>
<th>C. Tsunoda</th>
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<tr>
<td>B02</td>
<td>Inference of particle size distributions by electrical mobility analysis: Application of the DMA moment method to multi-modal distributions</td>
<td>K. Takahata, H. Sakurai, K. Ehara</td>
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<tr>
<td>B03</td>
<td>Analysis of atmospheric cluster ions using FAIMS</td>
<td>K. Nagato</td>
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<tr>
<td>B04</td>
<td>In situ observation of crystallization process of single levitated microdroplet using electrodynamic balance</td>
<td>Y. Shiratori, A. Harano</td>
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<td>B05</td>
<td>Observation of electrospray using high-resolution high-speed camera</td>
<td>H. Kobara, Y. Sugawara, H.H. Kim, A. Wakisaka</td>
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<tr>
<td>B06</td>
<td>Development of layered mesh inertial filter combined with an impactor</td>
<td>Z. Tong, H. Takahashi, M. Hatat, A. Toribio, T. Ikeda, Y. Otani, M. Furuchii</td>
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<tr>
<td>B07</td>
<td>Particle sampling method for quantitative evaluation with SEM: Surface-collection efficiency of Nuclepore filters for nanoparticles</td>
<td>L. Ogura, M. Kotake, H. Sakurai, K. Honda</td>
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<tr>
<td>B08</td>
<td>Applicability of LIVE/DEAD BacLight stain with glutaraldehyde fixation for the measurement of bacterial abundance and viability in rainwater</td>
<td>W. Hu, K. Murata, D. Zhang</td>
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</table>

**Measurement & Analysis II**

(13:00–14:59)  
Chaired by: S. Ikawa and Y. Fujitani

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<tr>
<th>D01</th>
<th>Calibration of a condensation particle counter using wafer surface scanner at low concentration</th>
<th>S. Kimoto, G. W. Mulholland, M. C. Owen, D. Y. H. Pui</th>
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<tbody>
<tr>
<td>D02</td>
<td>Evaluation of counting efficiencies for light scattering airborne particle counter using inkjet aerosol generator</td>
<td>T. Masakami, K. Iida, H. Sakurai, K. Kondo, T. Hosokawa</td>
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<td>D03</td>
<td>Influence of artifact in PM_{2.5} carbonaceous measurement</td>
<td>S. Hasegawa</td>
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<td>D04</td>
<td>Performance evaluation of black carbon measurement with soot particle-AMS</td>
<td>Y. Fujitani, T. Hikida, A. Shimono</td>
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<tr>
<td>D05</td>
<td>Measurement of abraded particles released from carbon nanotube composites</td>
<td>I. Ogura, M. Kotake, K. Honda</td>
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<tr>
<td>D06</td>
<td>Study of standard particle generation method for PM_{2.5} composition analyzer</td>
<td>N. Takada</td>
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<tr>
<td>D07</td>
<td>An investigation for design of instruments using a CFD (computational fluid dynamics)</td>
<td>S. Ikawa</td>
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**Young Researcher Meeting**

(17:20–19:15)

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<th>W30</th>
<th>Basic investigation on odor behavior in aerosol</th>
<th>K. Ratanachaijaroen, R. Fujii, L. Rao, M. Kotaki, M. Hata, M. Furuchii</th>
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<tbody>
<tr>
<td>W31</td>
<td>Characteristics of natural ventilation driven by outside wind through ventilation equipment</td>
<td>Y. Sawai, Wan Shahrul Nizam Bin Wan Mansol</td>
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<td>W32</td>
<td>Particle size dependence of the efficiency of an electrospray aerosol generator in aerosolizing particles suspended in liquid</td>
<td>H. Sakurai, Y. Murashima</td>
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<td>W33</td>
<td>Experimental evaluation of two commercial aerosol particle mass analyzers in their mass measurement accuracy in sub-100 nm range</td>
<td>H. Sakurai, Y. Murashima</td>
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<td>W34</td>
<td>Quantification of ammonium nitrate aerosols using a particle trap laser desorption mass spectrometer</td>
<td>T. Oizumi, Y. Ozawa, N. Takegawa</td>
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<td>W35</td>
<td>The development and evaluation of the URG-9000 ambient ion monitor for the high-time resolution quantification of ambient gas and particulate phase species using ion chromatography (Part 2)</td>
<td>Matthew S. Landis</td>
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<tr>
<td>Page</td>
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</table>
| P07  | Preliminary experiments to measure the electrostatic charging state of ambient aerosols | T. Okuda, K. Fujioka, M. Kitagawa, S. Okae, T. Takashima  
Keio Univ.  |
| P08  | Development of the high-volume simultaneous sampler for PM$_{2.5}$ and coarse particles | T. Okuda$^1$, Y. Terui$^1$, D. Shishido$^1$, R. Isobe$^1$, Y. Iwaki$^1$, K. Funato$^1$, K. Inoue$^1$  
$^1$ Keio Univ., $^2$ Tokyo Dytec Corp. |
| P09  | Development of a small PM$_{2.5}$ instrument and its applications   | Y. Matsumi, T. Nakayama  
Nagoya Univ. |
| P10  | Humidity influence on PM$_{2.5}$ instruments by the comparative evaluation method using the air-distribution tube system | M. Nishikawa$^1$, S. Hasegawa$^2$, Y. Iwamoto$^3$, K. Miura$^4$  
$^1$ Tokyo Univ. of Science, $^2$ Center for Environ. Sci. in Saitama |
| P11  | Seasonal and diurnal variations of the fine aerosol volume concentrations in Tokyo | Y. Iwamoto, K. Miura, M. Nishikawa  
Tokyo Univ. of Science |
| P12  | Emission regulations altered the concentrations, origin, and formation of carbaceous aerosols in the Tokyo metropolitan area | T. Miyakawa$^1$, Y. Kanaya$^1$, Y. Komazaki$^1$, T. Miyoshi$^2$, H. Naras$^2$, A. Takami$^2$, N. Motoki$^2$, M. Kake$^3$, Y. Kondo$^4$  
$^1$ JAMSTEC, $^2$ NIES, $^3$ The Univ. of Tokyo, $^4$ NIPR |
| P13  | Trace element composition of aerosol collected at Tokorozawa and Yokosuka, Japan | M. Honda  
| P14  | The presentation was cancelled.                                       |                                                                                             |
| P15  | Variation of atmospheric aerosol particle concentrations at Fukuoka city and their controlling factors | C. Nishita-Hara, K. Hara, M. Hayashi  
Fukuoka Univ. |
| P16  | Continuous observations of chemical components in PM$_{2.5}$ in Hokuriku district | K. Watanabe, N. Yamazaki, H. Takeuchi, H. Sato, S. Jin  
Toyama Prefectural Univ. |
| P17  | Transboundary transport of anthropogenic sulfur in PM$_{2.5}$ at a coastal site in the sea of Japan as studied by sulfur isotopic ratio | Y. Inomata$^1$, T. Ohizumi$^2$, N. Tako$^2$, K. Sato$^3$, M. Nishikawa$^4$  
$^1$ Kanazawa Univ., $^2$ Niigata Prefectural Institute of Public Health and Environ. Sci., $^3$ Asia Center for Air Pollution Research, $^4$ NIES |
| P18  | Event analyses for transboundary transport of air pollutants at Fukuoka island | Y. Sadamune$^1$, R. Tachii$^1$, A. Takami$^2$, A. Yoshino$^2$, S. Ito$^2$, H. Bandow$^3$  
$^1$ Osaka Prefecture Univ., $^2$ NIES, $^3$ Univ. of the Ryukyus |
| P19  | Comparison of the particle size distributions of an Asian dust air mass between Qingdao and Amakusa in March, 2015 | H. Erokuami, T. Kojima$^1$, W. Hu$^2$, S. Fukuyama$^2$, K. Munsta$^2$, S. Fukushima$^2$, A. Naganuma$^2$, D. Zhang$^2$  
$^1$ Kumamoto Univ., $^2$ Prefectural Univ. of Kumamoto |
| P20  | Changes in size distribution of dry deposited dust particles during long lasting Kosa | K. Osada$^1$, Y. Kuroki$^2$, C. Nishita$^3$, K. Hara$^3$, M. Hayashi$^3$  
$^1$ Nagoya Univ., $^2$ Tottori Univ., $^3$ Fukuoka Univ. |
| P21  | Characteristics of organic compounds in atmospheric aerosols collected in Hanoi, Vietnam and Kanto area, Japan | K. Kamata$^1$, K. Sekigachi$^1$, R. Yamaguchi$^1$, Y. Fujitani$^2$, T. T. Nguyen$^1$, T. D. Nghiem$^1$  
$^1$ Gunma Prefectural Institute of Public Health and Environ. Sci., $^2$ Saitama Univ., $^3$ NIES, $^4$ Hanoi University of Science and Technology, Vietnam |
$^1$ Nagoya Univ., $^2$ NIES |
| P23  | Investigation of ambient nano-particles in Hokuriku region by annual monitoring | T. Zhao$^1$, S. Hongtao$^2$, A. Matsukita$^2$, D. Onizuka$^3$, F. Yoshikawa$^2$, F. Ikemori$^2$, M. Hata$^1$, M. Fujusaki$^1$  
$^1$ Kanazawa Univ., $^2$ National Inst. of Technol., Toyama College, $^3$ Nagaoka City Environ. Center |
| P24  | Relationship between growth of secondary particles and their hygroscopicity observed at Tsukuba | Y. Zaizen, N. Orikasa, T. Tajiri  
MRI |
| P25  | Comprehensive study on the weekend effect of particulate density in Japan | A. Shimizu, T. Nishizawa, N. Sagimoto  
NIES |
| P26  | Evaluating the DNA strand breaks by airborne particulate matter: A case study at southwestern coast of Kyushu in 2014 | S. Fukushima$^1$, C. Hou$^2$, Y. Hu$^2$, L. Shao$^3$, K. Murata$^3$, D. Zhang$^3$  
$^1$ Prefectural Univ. of Kumamoto, $^2$ China Univ. of Mining and Technol. Beijing, $^3$ Prefectural Univ. of Kumamoto |
| P27  | Make use of electron-microscopic aerosol data: Construction trial of the database-3 | Y. Imamura, M. Kajino, K. Adachi, Y. Zaizen, T. Sekiyama  
MRI |
| P28  | Introduction to atmospheric science research division, research institute for science and technology, Tokyo University of Science | K. Miura  
Tokyo Univ. of Science |
| P29  | Distributing characteristics investigation of bioaerosols in small animals veterinary hospitals | C.-Y. Chuang$^1$, C.-S. Lin$^2$, P.-C. Hung$^3$, S. Yang$^4$, C.-H. Luo$^5$  
$^1$ Chang-Jung Christian Univ., $^2$ National Taiwan Univ., $^3$ ILOSH, $^4$ Tokyo Univ., $^5$ HungKuang Univ. |
E01 Influence of frequency on ultrasonic mist generation  
K. Sekiguchi1, T. Kudo1, K. Sankoda1, N. Namiki1, S. Nii3  
1 Saitama Univ., 2 Kogakuin Univ., 3 Kanazawa Univ.

E02 Degradation of VOCs using droplets generated by ultrasonic atomization and TiO2 photocatalyst  
S. Suzuki1, K. Nishishita2, N. Namiki1, K. Sekiguchi3, S. Nii3  
1 Kogakuin Univ., 2 Saitama Univ., 3 Kanazawa Univ.

E03 Evaluation of chemical reactivity of VOC gas with active species on ultrasonic mist  
K. Sekiguchi1, S. Narahara1, N. Namiki1, S. Fujii1, N. Kagii, Y. Suwa2, H. Tamura3, K. Azuma1, H. Tarumi3  

E04 Characterization of indoor secondary organic nanoparticle (ISOA) formation from volatile organic compounds derived from house-keeping wares and its evolution  
N. Namiki1, M. Suzuki1, N. Kagii, S. Fujii1, H. Tamura3, K. Sekiguchi3, K. Azuma1, Y. Suwa2, H. Tamura3  

E05 Modeling and computer simulation on the formation process of ISOA  
Y. Suwa1, Y. Matsushita1, N. Namiki1, N. Kagii, S. Fujii1, K. Sekiguchi3, K. Azuma1, Y. Suwa2, H. Tamura3  
1 Shibaura Inst. of Technol., 2 Kogakuin Univ., 3 Kanazawa Inst. of Technol., 4 Saitama Univ., 5 Kinki Univ., 6 Techno Ryowa Ltd.

E06 Applicability to suppress ultrafine particle formation from laser printers using electret filters  
Y. Muramoto1, N. Namiki1, N. Kagii  
1 Japan Viene Co., Ltd., 2 Kogakuin Univ., 3 Tokyo Inst. of Technol.

E07 Influence of static electricity on removal performance for fine particles adhered on a surface using pulse air jets  
D. Munemura1, N. Namiki1, H. Tamura2, T. Sato2  
1 Kogakuin Univ., 2 Techno Ryowa Ltd.

E08 Spatial performance evaluation of airborne particles for portable air cleaner by air age  
N. Kagii, Y. Suwa1, M. Koizumi3  
1 Tokyo Inst. of Technol., 2 Shibaura Inst. of Technol., 3 Shimizu corporation

E09 Evaluation of dynamic behaviors of particles and odor in ETS at the interface between the non-smoking and smoking zones at a low interfacial velocity  
N. Namiki1, K. Niikura2, N. Kagii  
1 Kogakuin Univ., 2 Tokyo Inst. of Technol.

E10 Study on fan filter unit realizing local clean  
H. Hasebe  
Shimizu corporation

E11 An advanced model for the stack effect based on the fluid dynamics  
Y. Suwa1, T. Ozeki1, T. Kitagawa2, N. Kagii  
1 Shibaura Inst. of Technol., 2 Tokyo Inst. of Technol.

BREAK (73 min)

Special Lecture

(13:30–14:10) Chaired by: M. Okubo

S01 Evolving ships for future  
Y. Ikeda  
Research Institutes for the Twenty First Century, Osaka Prefecture Univ.

BREAK (5 min)

JAAST General Meeting

(14:15–15:25) BREAK (10 min)

Special Session (Inoya Award)

(15:35–16:20) Chaired by: Y. Okada

SS01 A high-volume cyclone sampler will open new areas of aerosol research  
T. Okada  
Keio Univ.

SS02 Toward a unified index for the evaluation of the health effect of airborne particulate matter  
S. Fukuyama, D. Zhang  
Prefectural Univ. of Kumamoto

SS03 The industrial value of computational fluid dynamics for aerosol measurement designs  
S. Ikawa  
Sibata Scientific Technology LTD.

BREAK (10 min)
**Presentation by Exhibitors**

Chaired by: M. Adachi

KANOMAX JAPAN INC.
Airy Technology Ltd.
Tsukasa Sokken Co., Ltd.
INDUSTRIAL HYGIENE DEVICE CALIBRATION Inc.
Tokyo Dylec Corp.
KIMOTO ELECTRIC Co., Ltd.
FUJI ELECTRIC CO., LTD.
Shoreline Science Research Inc.
Transtech Inc.

**Friday, September 2**

< Room A >


**H01** Synthesis of SOFC anode fine particle by citric acid-addition spray pyrolysis

Y. Wada, Y. Marumoto, T. Kinoshita, Y. Okada

Kansai Univ.

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**Thursday, September 1**

< Room B >

(16:30–17:40) Chaired by: M. Adachi

**Symposium A2**

**Advances in aerosol measurements for nano, submicron, and supermicron size ranges**

(9:00–10:30) Chaired by: T. Takagawa

F01 Sampling and chemical analysis for evaluating sources and behavior of atmospheric nanoparticles

A. Fushimi

NIES

F02 Analysis of physical properties of individual Kosa particles by atomic force microscopy

Y. Kizu1, H. Sakurai2, H. Seki3, H. Okuda4, Y. Ueno5, H. Higash1, T. Seto4, Y. Otani1

1 Kanazawa Univ., 2 AIST, 3 Shimadzu Corporation

F03 Measurements of the hygroscopicity and cloud condensation nucleus activity of atmospheric submicrometer particles

M. Mochida

Nagoya Univ.

F04 Development and performances of a single-particle polar nephelometer: Measurement of optical scattering angular distributions for individual submicron particles in the atmosphere

M. Nakagawa, T. Nakayama, Y. Matsumi

Kanazawa Univ.

F05 Measurement of the single micro-particle in electrodynamic balance

A. Harano

Gama Univ.

F06 Analysis of physical properties of individual Kosa particles by atomic force microscopy

A. Matsuki1, Y. Mizushima1, A. Iwata1, M. Watanabe1, T. Makii1, M. Kakikawa1, F. Kobayashi2

1 Kanazawa Univ., 2 Hiroasaki Univ.

F07 Improvement of high-volume impactor for PM10 (HVI12.5) and application of hydrous gel-sheet was tested as an impaction substrate

N. Kanayama1, S. Yamamoto2

1 AIST

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**Formation & Composition**


**H01** Synthesis of SOFC anode fine particle by citric acid-addition spray pyrolysis

Y. Wada, Y. Marumoto, T. Kinoshita, Y. Okada

Kansai Univ.
Aerosol-assisted synthesis of metal-organic framework HKUST-1

M. Kubo, R. Moriyama, T. Saito, M. Shimada
Hiroshima Univ.

Synthesis of silica-titania composite nanoparticles in a flame reactor

T. Kubo, D. Yamakoa, Y. Okada, H. Ishikawa, N. Ikenaga
Kansai Univ.

Techniques based on coating for composite material of nickel nanoparticles formed by gas-phase reaction

S. Matsumoto, R. Sawai, S. Kudoh, T. Kinoshita, Y. Okada
Kansai Univ.

Friday, September 2

Atmospheric Aerosol II

(9:00–10:42) Chaired by: K. Sato, M. Furuuchi and K. Adachi

I01 Resuspension processes of the radionuclides from the FDNPP accident: Could bioaerosol play a significant role?

Y. Igarashi1, K. Kita2, T. Maki3, C. Takenaka4, T. Kinase2, K. Adachi1, M. Kajino5, T. T. Sekiyama1, Y. Zaizen1, M. Ishizuka5, K. Ninomiya6, H. Okochi7, A. Sorimachi8
1 MRI, 2 Ibaraki Univ., 3 Kanazawa Univ., 4 Nagoya Univ., 5 Kagawa Univ., 6 Osaka Univ., 7 Waseda Univ., 8 Fukushima Medical Univ.

I02 Measurements of bioaerosols in the atmosphere by bio track real time viable particle counter

K. Watanabe1, H. Sato1, T. Hirai1, N. Yamazaki1, T. Maki2
1 Toyama Prefectural Univ., 2 Kanazawa Univ.

I03 A laboratory study for formulating the immersion freezing ice nucleation ability of dust particles

T. Tsuchi1, M. Murakami2
1 MRI, 2 Nagoya Univ.

I04 The characterization of atmospheric ice nucleating particle by single droplet freezing method

A. Iwata, A. Matsuki
Kanazawa Univ.

I05 Interaction between humic-like substances extracted from PM2.5 and polycyclic aromatic hydrocarbons

D. Asakawa
Osaka City Institute of Public Health and Environ. Sci.

I06 Characteristic evaluation of chemical components in PM2.5 and PM10 collected in Hanoi, Vietnam

R. Yamaguchi1, K. Sokiguchi2, K. Sankoda1, K. Kumagai2, Y. Fujitani3, T. T. Nguyen4, T. D. Nghiem4
1 Saitama Univ., 2 Gamma Prefectural Institute of Public Health and Environ. Sci., 3 NIES, 4 Hanoi University of Science and Technology, Vietnam

BREAK (8 min)


I07 Development of analysis method of Perfluoroalkyl substances in atmospheric particulate matters

1 Kanazawa Univ., 2 AIST

I08 Volatility of secondary aerosol particles formed from the photooxidation of 1, 3, 5-trimethylbenzene

K. Sato, Y. Fujiyama, S. Inomata, Y. Morino, K. Tanabe, NIES

I09 Influence of the metal seed particles on generation of secondary organic aerosol

D. Hama, K. Sokiguchi, K. Sankoda
Saitama Univ.

I10 Aerosol particles from biomass burning during BBOP campaign

K. Adachi
MRI

I11 Effect of agriculture and forest fire on carbon components in size-classified ambient particles in Thailand

M. Furuuchi1, W. Phairuang1, M. Hata1, P. Suwattiga2, T. Chotiyamkurakul3
1 Kanazawa Univ., 2 King Mongkut’s Univ. of Technology North Bangkok, Thailand, 3 Chiang Mai Univ., Thailand

I12 Dependence of the backscattering of aerosol particles on their composition and size: Observations at AERU

S. Fukushima1, D. Zhang3, T. Shibata3, S. Katagiri3, T. Hayasaka3
1 Prefectural Univ of Saitama, 2 Nagoya Univ., 3 Tohoku Univ.

Local Organizing Committee

Okubo, M. Osaka Prefecture Univ. (Chairman)
Kuroki, T. Osaka Prefecture Univ.

JAAS Organizing Committee

Adachi, M. Osaka Prefecture Univ. (Chairman)
Kinoshita, T. Kansai Univ.
Yabuki, M. Kyoto Univ.