

Program of Symposium

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International Symposium on Environmental Management

— Air Pollution and Urban Solid Waste Management and Related Policy Issues —

PROCEEDINGS VOLUME II

Schedule

February 29 (SUN) - March 3 (WED)

Venue

29 FEB	Ishikawa Life-Long Learning Center (Former Prefectural Government Building)
1-3 MAR	Kanazawa Art Hall

Organized by

Kanazawa University 21st-Century COE Program
Ishikawa International Cooperation Research Centre
United Nations University-Institute of Advanced Studies

Supported by

Ishikawa Prefectural Government
City of Kanazawa

February 29
(SUN)

Ishikawa Life-Long
Learning Center

- 9:30-10:00 Opening
10:00-10:40 Introduction of Projects
10:40-12:00
- 【Lecture 1】 "Strategies for Improving Urban Solid Waste Management :
Lessons from Three Decades of World Bank Lending"
Dr. Carl R. Bartone
- 13:30-14:50 【Lecture 2】 "Environmental Problems in and around Vladivostok, Russia"
Dr. Alexander V. Tkalin
- 15:30-17:00 【Lecture 3】 "Urban Solid Waste Management Issues Currently Arising in Japan"
(Panel Discussion)
Moderator : Pablo Martinez Lestard (IICRC)
Panelists : Dr. Hari Srinivas
Prof. Akihiko Tani
Ms. Misako Hattori
- 9:00-16:00 Exhibition of Kanazawa University 21st-Century COE Program (2F)

March 1
(MON)

Kanazawa Art Hall

- 9:35-12:35 **"WASTE MANAGEMENT"**
Moderator Pablo Martinez Lestard (IICRC)
- 9:35-10:35 【Lecture 4】 "Quantitative Linkages of Waste Management Options to
Environmental and Human Health Risks"
Hilary I. Inyang
- 10:45-11:45 【Lecture 5】 "Urban Solid Waste Management System in Primorsky Territory,
Russia-New Technologies"
Valentin Sergienko
- 11:45-12:35 【Lecture 6】 "Integrated Approach of Solid Waste Management to Achieve
Urban Sustainability : Asian Experience-Case Study of Bangkok
and Dhaka City"
Muhammad Abu Yusuf
- 14:20-16:50 **"ASIAN DUST"**
Moderator Tsutomu Sato (Kanazawa University)
- 14:20-15:05 【Lecture 7】 "Mesoscale Aerosol Numerical System Developed in National
Meteorological Center of China"
Chunhong Zhou
- Moderator Chikao Kanaoka (Kanazawa University)
- 15:20-16:05 【Lecture 8】 "Health Effects of Asian Dust (KOSA) in Korea"
Kim Yoon Shin
- 16:05-16:50 【Lecture 9】 "Chemical-Physical Transformation of KOSA Particles"
Yasunobu Iwasaka
- 18:00-20:00 Banquet (Hotel Nikko Kanazawa)

March 2
(TUE)

Kanazawa Art Hall

9:30-12:15 "AIR POLLUTION AND HUMAN HEALTH"

Moderator Ryoichi Kizu (Kanazawa University)

9:30-10:15 [Lecture 10] "Carcinogenesis of Benzo[a]pyrene and Its Relation to Cell Cycle Regulation"
Ryoichi Kizu and Kazuichi Hayakawa

10:15-11:00 [Lecture 11] "Use of Biomarkers in the Assessment of Exposure to Polycyclic Aromatic Hydrocarbons"
Thaneeya Chetiyakornkul and Akira Toriba and Kazuichi Hayakawa
Moderator Kazuichi Hayakawa (Kanazawa University)

11:00-11:45 [Lecture 12] "Air Pollution and Its Health Effects in China"
Kenji Tamura

11:45-12:15 [Lecture 13] "Antiandrogenic Activity of Diesel Exhaust Particulates"
Kazumasa Okamura

14:00-15:15 "MONITORING OF AIR POLLUTION"

Moderator Kazuichi Hayakawa (Kanazawa University)

14:00-14:45 [Lecture 14] "Application of Innovative Instrumental Analytical Methods for Monitoring of Air Pollutants"
Ralf Zimmermann

14:45-15:15 [Lecture 15] "Comparison of Composition of Atmospheric Polycyclic Aromatic Hydrocarbons and Nitropolycyclic Aromatic Hydrocarbons in East Asian Cities"
Ning Tang

15:30-17:00 "AIR POLLUTION AND FOREST DECLINE"

Moderator Naoto Kamata (Kanazawa University)

15:30-16:15 [Lecture 16] "Effects of Air Pollution on Vegetation in Rural Areas of Central Honshu, Japan - A Record of Monitoring Study over Past 30 Years"
Shoichi Kawano and Terutaka Kato

16:15-17:00 [Lecture 17] "Responses of Japanese Tree Species to Excessive Nitrogen Deposition"
Tatsuro Nakaji and Takeshi Izuta

17:00-17:30 Wrap-up Discussion and Closing
Moderator Chikao Kanaoka (Kanazawa University)

March 3
(WED)

Kanazawa Art Hall

"Evaluation of Kanazawa University 21st-Century COE Program"

Lecturers

Carl R. Bartone	Former Senior Lead Environmental Engineer of the Urban Division, Infrastructure Group, World Bank, USA / Environmental Engineering Consultant
Alexander V. Tkalin	Leading Researcher, Department of Oceanography and Marine Ecology, Far Eastern Regional Hydro-meteorological Research Institute (FERHRI), Russia
Hari Srinivas	Chief of Urban Environmental Management Unit, International Environmental Technology Centre, Division of Technology, Industry and Economics, United Nations Environment Programme
Akihiko Tani	Professor, Kanazawa Institute of Technology
Misako Hattori	Director, NPO Garbage and the Environmental Vision 21 / Environmental Counselor, the Ministry of Environment
Hilary I. Inyang	Director, Global Institute for Energy and Environmental Systems, University of North Carolina, USA
Alexander I. Cherednichenko	Far Eastern State University
Muhammad Abu Yusuf	JSPS-UNU-IAS Postdoctoral Fellow
Chunhong Zhou	National Meteorological Center, Beijing, China
Yoon-Shin Kim	Professor, Hanyang University, Korea
Yasunobu Iwasaka	Professor, Nagoya University
Kazuichi Hayakawa	Professor, Kanazawa University
Ryoichi Kizu	Professor, Kanazawa University
Thaneeya Chetiyakornkul	Kanazawa University
Akira Toriba	Kanazawa University
Kenji Tamura	Senior Researcher, Epidemiology and International Health Research Section, Environmental Health Sciences Division, National Institute for Environmental Studies
Kazumasa Okamura	Kanazawa University
Ralf Zimmermann	Professor, Institute for Physics, University of Augsburg
Ning Tang	Kanazawa University
Shoichi Kawano	Professor Emeritus, Kyoto University
Terutaka Kato	Assistant, Toyama Medical and Pharmaceutical University
Tatsuro Nakaji	Post-doctoral fellow, Center for Global Environmental Research, National Institute for Environmental Studies
Takeshi Izuta	Associate Professor, Faculty of Agriculture, Tokyo University of Agriculture and Technology