

# 3R International

The 3R International Scientific Conference on Material Cycles and Waste Management

and

# SWAPI

13th Expert Meeting on Solid Waste Management in Asia and Pacific Islands

at Kyoto University  
(Clock Tower Centennial Hall)  
Kyoto, Japan, 10-12 March 2014

## CALL FOR ABSTRACTS

The 3R International Scientific Conference on Material Cycles and Waste Management (3R International) and the 13th Expert Meeting on Solid Waste Management in Asia and Pacific Islands (SWAPI) will be held at Kyoto University (Clock Tower Centennial Hall), Kyoto, Japan, 10-12 March 2014.

## IMPORTANT DATES

Deadline for abstracts: 10 December 2013  
Deadline for early registration: 30 January 2014  
Conference: 10-12 March 2014

Welcome reception: evening of 10 March 2014  
Banquet: evening of 11 March 2014  
Technical tour: 12-13 March 2014

## PLENARY LECTURERS



Japanese Challenges for Material Cycles and Waste Management (TBD)  
Dr. R. Yatsu  
Administrative Vice-Minister of the Environment of Japan



The Application of MFA/SFA for Decision Making in Resource and Waste Management  
Prof. Dr. P. H. Brunner  
Vienna University of Technology



Waste Management and Resource Recycling in Asia  
Prof. Dr. P. Agamuthu  
University of Malaya



Past, Present and Future of Waste Management in Korea  
Prof. Dr. YC. Seo  
Yonsei University, President of KSWM



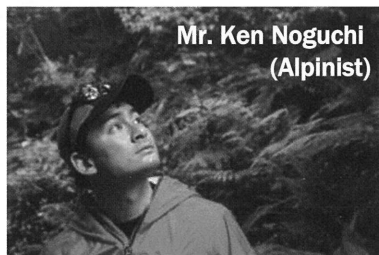
Development and Policy of Solid Waste Treatment Industry in China  
Prof. Dr. H. Hu  
Ministry of Environmental Protection, Director of SSW-CSES



Integrated Approach for Sustainable Material Cycles and Waste Management  
Prof. Dr. S. Sakai  
Kyoto University

## SYMPOSIUM Evening, 11 March 2014

The reformation of Japan starts from Mt Fuji



Mr. Ken Noguchi (Alpinist)

What the young successful alpinist saw in his quest was humans being overwhelmed by nature, while trying to conquer it. And also the mountain of rubbish left behind. Such experiences made him commit actively in clean-up expeditions to Mt Fuji and other mountains. Lately he is involved in environmental awareness raising through public lectures and outdoor environmental activities.

## COLLABORATED EXHIBITION

Asian Eco-MANGA Exhibition & 3R "BYŌBU" (folding screen) project

9:00-21:30,  
9-15 March  
Salon at Clock Tower (1F)



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## ORGANIZATION

**ORGANIZER:** Japan Society of Material Cycles and Waste Management (JSMCWM)

**CO-ORGANIZERS:** Korean Society of Waste Management (KSWM), Society for Solid Waste, Chinese Society for Environmental Sciences (SSW-CSES) and other regional and global academic networks.

**SUPPORTERS:** Ministry of the Environment Government of Japan, UNEP-IETC, UNCRD, JICA Kansai, IGES, Kyoto Prefecture, Kyoto City

## SPONSORS



# OBJECTIVES

Waste management is a great challenge worldwide, especially in the Asia-Pacific's megacities, which are currently experiencing substantial economic growth. From the perspective of the social structure and background of waste generation, it is our mission to promote proper waste management and spread the concept of the 3R principle (Reduce, Reuse, and Recycle) in our societies. It has become a common goal for the international community to minimize both raw material consumption and establish a society with a minimal environmental load by minimizing waste generation and encouraging cyclic use and proper waste treatment and disposal. The basic concept of 3R is to establish a Sound Material-Cycle Society and at the same time aim to preserve resources and control hazardous substances.

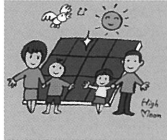
The 3R concept is closely associated with entire communities. It will affect various social aspects, such as the direction of industry, patterns of consumption, use of resources and energy, and our relationship with the environment. It will also require the establishment of much more effective policy systems. We should respect the need for this concept to become deeply rooted in our society and should promote technologies, social systems, and policy research to back up and establish better 3R principles and waste management systems.

The aim of 3R International is to provide, and serve as a platform for, academic activities that promote a 3R society. A wide range of academic fields, including physics, chemistry, engineering, medicine, policy science, economy, and law, need to serve as keystones that support 3R development. It is essential that we strengthen mutual ties and have interdisciplinary discussions across these areas.

The Expert Meeting on Solid Waste Management in Asia and Pacific Islands (SWAPI) has been held every year since 2005 to establish regional cooperation aimed at improving solid waste management effectively and efficiently with guidance from the 3R principle. We are now about to hold the 13th Expert Meeting on SWAPI. In addition to the traditional meeting, this year we are holding the 3R International Scientific Conference on Material Cycles and Waste Management (3R International), which will act as a nucleus for the development of SWAPI's activities as an open academic platform. We are calling for scientifically and academically based presentations from all stakeholders in the management of material cycles and waste management: designers, operators, suppliers, environmental authorities, and academics internationally, but especially in Asia and the Pacific Islands.

## CULTURAL PROGRAM

Kyoto is a hometown of "MOTTAINAI" and "OMOTENASHI" culture. You can experience Japanese 3R culture (Furoshiki, Kimono remake, etc.) by yourself. Many cultural groups welcome you!



## TECHNICAL TOURS

You will have a chance of visiting recycling and waste treatment plants, 3R related research centers.

-12-13 March 2014, Okayama tour



Eco-System Okayama  
(ASR recycling plant)



Biodiesel Okayama  
(Producer of biodiesel fuel)



Eco-System Sanyo  
(hazardous waste incinerator)

-13 March 2014, Kyoto tour



Kyoto city MSW incinerator



Kyoto city BDF plant



-Also, you can visit many historical and beautiful places.  
Please ask us!



## SCIENTIFIC PROGRAM

The scientific program will consist of oral presentations and posters on the following topics:

- 3R (Reduce, Reuse, and Recycling) challenges
- Waste and recycling resource statistics and data collection and processing
- Municipal solid waste characterization and management
- Biomass waste utilization
- E-waste recycling and management
- ELV (end-of-life vehicle) recycling and management
- Construction and demolition waste
- Waste to energy
- Industrial waste characterization and management
- Disaster waste and marine debris management
- Hazardous waste management
- Asbestos
- Radioactively contaminated waste and low-level radioactive waste
- Waste landfill and disposal
- Greenhouse gas control
- Systems analysis, life cycle analysis, substance flow analysis, and others
- Policy, institutions, and financial measures



Leading papers selected by the Conference Organizer will be processed, and then revised and updated as necessary, for publication in special issues of the Journal of Material Cycles and Waste Management, which is published by Springer.

## PARTICIPATION FEES

JPY 50,000	Full conference participation, registration no later than 30 January 2014
JPY 60,000	Full conference participation, registration after 30 January 2014
JPY 25,000	Student and participants from LDC* registration no later than 30 January 2014
JPY 30,000	Student registration after 30 January 2014
JPY 8,000	Accompanying persons (including an invitation to the banquet on 11 March)
JPY 8,000	Banquet only (11 March)

As part of their registration, participants will receive the abstract book or electronic media, tea and other non-alcoholic drinks, lunches, and an invitation to the welcome reception on the evening of 10 March, banquet on the evening of 11 March.

\*LDC (least developed country): Listed countries by UN

## "3R" CONFERENCE

We'll strive for a truly "3R" style conference. We'll use reused FUROSHIKI as a conference bag, avoid disposable cups or name tags, etc. Please cooperate with us. **\*If you bring your own name tag (reused one), you can get ecological postcards.**

CONFERENCE SECRETARIAT (3R International 2014 in Japan)

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