

3R International Scientific Conference (3RINCS) and Regional 3R Forum

- Science Community Cooperation with Policy and Business Model Development

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Material Cycles &
Waste Management



3R International Scientific Conference on Material Cycles and Waste Management (3RINCs)

- 1. The first conference, Kyoto, Japan,
March 10-12, 2014**
- 2. The second conference, Daejeon,
Korea, May 21-23, 2015**
- 3. The third conference, Hanoi, Viet Nam,
March 9-11, 2016**
- 4. The fourth conference, New Delhi,
India, March 8-10, 2017**
- 5. The fifth conference, Bangkok,
Thailand, February 27- March 1, 2019**

3RINCs 2019

ORGANIZERS: Solid Waste Management Association -Thailand (**SWAT**), Pollution Control Department (**PCD**), Ministry of Resources and Environment, Thailand Japan Society of Material Cycles and Waste Management (**JSMCWM**) and Korea Society of Waste Management (**KSWM**)

SUPPORTERS: UNCRD, UN Environment, IGES, JICA, Ministry of the Environment Government of Japan



Summary of 3RINCs 2019

- ❖ **Extended Abstract Submission: 140**
- ❖ **Participants: 300**
- ❖ **Countries: 17**
- ❖ **COOPERATED ACADEMIA in Thailand: Kasetsart University, King Mongkut's University of Technology Thonburi , AIT and others**
- ❖ **Sponsors: 18**

3RINCs 2019

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

27 Feb - 1 Mar 2019

Bangkok, Thailand



5th Edition

Venue: Pullman Bangkok King Power

Special Sessions in 3RINCs

1. **WtE Experience in Thailand** by **Prof. So Sasaki**
2. **Disaster Waste Management** by **JSMCWM**
(Japan Society of Material Cycles and Waste Management)
3. **3R Policy Indicator and Its Future** by **IGES**
(Institute for Global Environmental Strategies),
UNCRD (United Nations Centre for Regional Development) & MOEJ
4. **CCETs Waste Management Guidelines Development**
3R Indicator by **IGES-CCET**
5. **Plastic Materials Cycles & their Management**
by **3RINCs & JSMCWM**

Special Session on “Plastic Materials Cycles & their Management”

1. We shared information on the current status of marine plastic debris in Asian region
2. **3R plus renewable principle** on plastic materials management through reduce, reuse, separate collection, recycling, and heat recovery with renewable resources.
3. Specifically, if economically and technically possible, it is required to reduce the use of plastics for disposable containers & packaging and products as well as to develop sustainable and effective collection and recycling system for used plastics.
4. In any process, we should not allow ocean contamination by plastic waste emission.

3R International Scientific Conference (3RINCs) 2019, Bangkok

Study Tour

Tour 1. Chulalongkorn Zero Waste Programme at Chulalongkorn University, Bangkok, 09:00 – 12:00, on 1st March 2019

A successful waste minimization program in a very big campus;

- Food and liquid waste separation in canteens,
- Green office and green procurement,
- Campus-wide waste segregation,
- Reduction of single-use plastic, especially plastic bags, coffee cups and straws,
- Use of bio-plastic, and
- Bio digester at the composting site

Tour 2. Eastern Seaboard Environmental Complex Co., Ltd. (ESBEC) at Tambon Bo Win, Amphoe Si Racha, Chang Wat Chon Buri, 08:00 – 17:30, on 1st March 2019

Fully licensed and permitted industrial waste management site;

- Secure landfill, Wastewater and Leachate treatment, Landfill gas management, Recycling plant and WEEE, Laboratory and Environment monitoring, Industrial and support services to Oil and gas businesses, etc.



3R International Scientific Conference (3RINCs) 2019, Bangkok

BUSINESS SESSION

Chair: Prof. So Sasaki, Chuo University and Chulalongkorn University

Business Session 1: 3R Technologies and Applications

27 Feb 2019 (Wednesday) 14.30-15.30

- Dowa Holdings Co., Ltd.
- Hitachi Zosen Corporation
- JFE Engineering Corporation
- Nippon Steel & Sumikin Engineering Co., Ltd.
- Toyota Motor Thailand Co., LTD.
- KI-ECOTECH CO.,LTD.(Keiaisha Co.,Ltd. & Glass Recycling Committee of Japan)
- Kobelco Eco-Solutions Co., Ltd.
- Mitsubishi Heavy Industries Environmental & Chemical Engineering Co., Ltd.
- Plantec Argonaut Pte. Ltd.
- Takuma Co., Ltd.
- IDEA Consultants, Inc.

Business Session 2: 3R Technologies and Applications

28 Feb 2019 (Thursday) 11.10-12.00

- Suez Environment
- Eldan Recycling

Business Session 3: 3R Technologies and Applications

28 Feb 2019 (Thursday) 14.40-15.40

- Dowa Holdings Co., Ltd.
- Hitachi Zosen Corporation
- JFE Engineering Corporation
- Nippon Steel & Sumikin Engineering Co., Ltd.
- Toyota Motor Thailand Co., LTD.
- KI-ECOTECH CO.,LTD.(Keiaisha Co.,Ltd. & Glass Recycling Committee of Japan)
- Kobelco Eco-Solutions Co., Ltd.
- Mitsubishi Heavy Industries Environmental & Chemical Engineering Co., Ltd.
- Takuma Co., Ltd.

Exhibition

EXHIBITORS		CORPORATE BRAND AREA	1
BOOTH NO.	EXHIBITOR NAME		
1	Anchor Network Control, Inc.	20	2
1	Edison Inc.		4
2	EX Research Institute Ltd.	19	5 & 6
3	General Heavy Industries Ltd.		7 & 8
4	Keiaisha Co., Ltd. The Glass Recycling Committee of Japan	14	9
5 & 6	Toyota Motor Thailand Co., Ltd.		10 & 11
7 & 8	Dowa Holdings Co., Ltd.	15 & 16	10 & 11
9	Eldan Recycling		17
10 & 11	JFE Engineering Corporation	18	13
12	Kobelco Eco-Solutions Co., Ltd.		14
13	Mitsubishi Heavy Industries Environmental & Chemical Engineering Co., Ltd.	19 & 20	15 & 16
14	JFE Engineering Corporation		17
15 & 16	Hitachi Zosen Corporation	18	12
17	Plantec Argonaut Pte. Ltd.		13
18	Takuma Co., Ltd.		
19	Registration Counter		
20	Nippon Steel & Sumikin Engineering Co., Ltd.		



Journal of Material Cycles and Waste Management (JMCWM)

- ❖ First issue was published in 1999 as an academic international journal of **Springer-Verlag** Tokyo edited by JSMCWM
- ❖ JMCWM has been followed by quarterly publication
- ❖ JMCWM has been registered in the Web of Science, and **SCI (Scientific Citation Index)** was also given in 2010.
- ❖ Electric submission and reviewing system has started in 2011



END

Thank you for your
cooperation!
See you in Japan, 2020

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