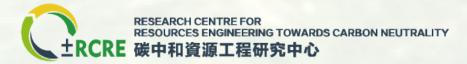




The International Society for the Environmental and Technical Implications of Construction with Alternative Materials



## International Webinar on Valorization of Waste Incineration Residues in Construction

Co-hosted by ISCOWA and The Hong Kong Polytechnic University 29 and 30 March 2022 (A two half-day event)

**Background:** The use of waste to energy (incineration) technology for managing non-recyclable municipal solid waste has been gaining popularity since landfilling requires extensive land resources, which are not available in highly urbanized areas. But managing the incineration residues which account for about 20 percentage by mass of the original waste, is still a huge problem for waste management authorities. This Webinar aims to disseminate the latest state-of-the-art practice and research studies on valorization of waste incineration residues for use in construction. Renowned professionals and academics in the management of incineration residues area will be invited to deliver lectures.

## Day 1: 29th March 2022 / Day 2: 30th March 2022

(Six presentations per day; Total: 12 presentations)

Beijing/Hong Kong Time: 3:00 pm - 6:00 pm

Central European Time: 9:00 am - 12:00 nn

East European Time: 10:00 am - 1:00 pm

**UK Time:** 8:00 - 11:00 am

**Japan Time:** 4:00 – 7:00 pm

All presentations will be pre-recorded via ZOOM.

Real time Q&A sessions after pre-recorded presentations.

## 29th March 2022

Dr. Marian Langevoort (TAUW BV, The Netherlands)	Application of MSWI bottom ash in The Netherlands. Regulation, type of applications and case study Appingedam
Dr. Ole Hjelmar (Danish Waste Solutions, Denmark)	Environmental aspects of the application of MSWI bottom ash as sub-base in road construction: Results from a large-scale demonstration site
Dr. Giulia Costa (University of Rome Tor Vergata, Italy)	Utilization potential of mineral fractions obtained from waste incineration bottom ash treatment: analysis of the leaching behaviour of the products of full-scale plants
Dr. Jiri Hyks (Danish Waste Solutions, Denmark)	Utilization of Incineration Bottom Ash (IBA) in constructions: Experience, limitations, and prospects
Dr. Paula Carey (Carbon8 Systems Ltd, UK)	The use of accelerated carbonation technology in the treatment of incinerator residues and the manufacture of aggregate for construction applications
Prof. Pinjing He (Tongji University, China)	Practice and challenges for beneficial use of municipal solid waste incineration bottom ash

## **30<sup>th</sup> March 2022**

<b>Dr. En-Hua Yang</b> (Nanyang Technological University, Singapore)	Municipal solid waste incineration bottom ash for civil engineering materials
Dr. Josep Ma. Chimenos Ribera (University of Barcelona, Spain)	MSW incineration bottom ash as a precursor in the formulation of alternative Portland cement
<b>Dr. Hirofumi Sakanakura</b> (National Institute for Environmental Studies, Japan)	Current status and ongoing research on recycling of incineration residues in Japan
Prof. Takayuki Shimaoka (Kyushu University, Japan)	Potential of recovery of hydrogen gas from bottom ash
<b>Dr. Karin Karlfeldt</b> (Renova, Sweden)	Can MSWI fly ash be used in construction?
Prof. Colin Hills / Dr. Nimisha Tripathi (University of	New insights into biomass ash valorization
Greenwich, United Kingdom)	Scan or click here to register:

Fee: <u>Free</u> (ISCOWA Members and PolyU staff/students)
<u>EUR €50</u> (ISCOWA 2022 membership + Webinar)
<u>EUR €25</u> (Non members)

https://reurl.cc/xOOMg4



(Successful applicants will receive the ZOOM link before the event.)