

WASCON2023 Hong Kong

Innovative Valorization of Alternative Materials and Waste towards Circular Construction

11th International Conference on the
Environmental and Technical Implications
of Construction with Alternative Materials

13-16 December, 2023



Call for conference registration

<https://www.polyu.edu.hk/cee/WASCON2023/en/registration/>

Submit your abstract here

<https://polyu.hk/EYuDW>

Save the dates for WASCON 2023!

- Abstract submission ~~by 31 March 2023~~ **31 May 2023**
- Extended abstract submission **by 31 July 2023**
- Early-bird registration **by 15 August 2023**
- Registration **by 30 September 2023**
- Registration & Reception: 13 December 2023
- Conference: 14-15 December 2023
- Technical visit: 16 December 2023

Conference Secretariat for WASCON2023



RESEARCH CENTRE FOR
RESOURCES ENGINEERING TOWARDS CARBON NEUTRALITY
碳中和資源工程研究中心

The Hong Kong Polytechnic University, Hong Kong

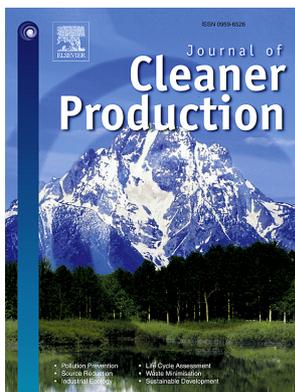


List of Topics

Category 1: Waste Types	Category 2: Recycling Processes	Category 3: Applications	Category 4: Environmental Issues
<ul style="list-style-type: none"> • Construction and demolition wastes • Incineration bottom ash • Incineration fly ash • Mining and tailing waste • Dredged river/ marine sediment • Steel slag • Waste asphalt • Waste glass • Others 	<ul style="list-style-type: none"> • CO₂ carbonation • Mechanical sorting processes • Chemical processing • Biological treatment • Others 	<ul style="list-style-type: none"> • Road construction (e.g. pavements, structural layers) • Building Blocks • Cement replacement • Alkali activated materials • (Constructions) Material banks (for second use) • Others 	<ul style="list-style-type: none"> • Contaminant leaching and environmental impact • Life cycle assessment (LCA) • Resource circularity/ design for circularity • Transboundary environmental assessment • Others

Special Issue

Selected high quality abstracts will be invited to submit full papers to the joint special issue of **Journal of Cleaner Production** and **Journal of Cleaner Materials**.



Conference Chairs

Ir Professor Chi-sun Poon

Director of Research Centre for Resources Engineering towards Carbon Neutrality,
Chair Professor of Sustainable Construction Materials,
Head of Department of Civil and Environmental Engineering,
The Hong Kong Polytechnic University, Hong Kong

Dr Annika Sormunen

President of ISCOWA,
Research Collaboration Lead of Fortum

Keynote Speakers



Prof. Christopher Cheeseman Imperial College London



Mr. Simo Hakkarainen Peikko Group Corporation



Prof. Baoshan Huang University of Tennessee



Dr. Harn-wei Kua National University of Singapore



Dr. Hirofumi Sakanakura National Institute for Environmental Studies



Prof. Julia Stegemann University College London



Prof. Fazhou Wang Wuhan University of Technology

About WASCON

WASCON (The International Conference on the Environmental and Technical Implications of Construction with Alternative Materials) has been held approximately every three years since 1991. It provides a forum for exchange of ideas and current research nationally and internationally on the use of waste, industrial by-products and other recycled materials in construction. For past WASCON Conference, please see <https://iscowa.net/conferences/>.

Inquiry

For inquiry about WASCON2023, please contact wascon.2023hk@polyu.edu.hk

