



SATREPS Seminar on Development of New Technologies Utilizing CDW and Industrial By-products

The aim of SATREPS seminar is to share the outcomes and on-going progress of research and development in Act 3: Development of New Technologies of SATREPS project. By exchanging the ideas among members, we discuss the technical specifications applicable to field experimental studies.

Date & Time: 30th March 2021 (Tue), 8:30-13:10 (VN time), 10:30-15:10 (JP time)
Presentation style: 15-min presentation and 15-min Q&A time (On-line)

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| 8:30-8:40 | Opening |
| 8:40-9:10 | Recycled aggregate concrete from crushed concrete, crushed brick CDW – concept, properties, and applications in structures
<i>Nghiem Ha Tan (Lecturer of National University of Civil Engineering; SATREPS project assistant)</i> |
| 9:10-9:40 | Characterization of compaction and particle breakage properties of recycled concrete aggregates with different fines contents under different compaction energies
<i>Thai Hong Nam (Doctoral student of Saitama University; Lecturer of National University of Civil Engineering)</i> |
| 9:40-10:10 | The influence of clay bricks content on the properties of permeable pavement tiles
<i>Ngo Kim Tuan (Lecturer of National University of Civil Engineering; SATREPS project assistant)</i> |
| 10:10-10:40 | Particle breakage and permanent deformation assessment of recycled concrete aggregates (RCA) with variation in moisture content
<i>Syed Kamran Hussain Shah (Doctoral student of Saitama University)</i> |
| 10:40-11:00 | Coffee break |
| 11:00-11:30 | Synthetic aggregate and the ability recycled coal ash in Vietnam
<i>Tran Viet Cuong (Doctoral student of National University of Civil Engineering; SATREPS project assistant)</i> |
| 11:30-12:00 | Removal of Arsenic and Chromium from wastewater using natural laterite grains in Vietnam
<i>Arachchillage Buddhika Priyadarshani Bandara (Doctoral student of Saitama University; Lecturer of University of Peradeniya)</i> |
| 12:00-12:30 | Development of a hybrid filtration system using AAC to treat domestic wastewater: system performance and removal efficiency
<i>Tran Hoai Son (Lecturer of National University of Civil Engineering; SATREPS project assistant)</i> |
| 12:30-13:00 | Assessment of oil/water separation using hydrophobized coated autoclave aerated concrete grains in Vietnam
<i>Akihiro Matsuno (Doctoral student of Saitama University; SATREPS Research Assistant)</i> |
| 13:00-13:10 | Closing |

Organizers: SATREPS project team; Research Center for Sustainable Development in East Asian (SU-RCSDEA) & Strategic Research Area for Sustainable Development (SD) in East Asia, Graduate School of Humanities and Social Sciences, Saitama University; Area of Green and Environmental Innovation, Division of Strategic Research and Development, Graduate School of Saitama University

Contact Info: Ken Kawamoto (E-mail: kawamoto@mail.saitama-u.ac.jp), Graduate School of Science and Engineering, Saitama University