The ACF Seminar 2020 on Recycling for Construction Materials

Chairs: Jin Man KIM | Trung Thanh LE | Ki Yong ANN

16-19 August 2020
Danang, Vietnam

Themes and Topics

ACF Seminar 2020 aims to provide an international meeting for scientists, engineers, industrial partners and practitioners to present and discuss the state-of-the-practice, recent advances and future perspectives in the use of recycling materials in civil engineering. The topic of the seminar includes:

- Properties of recycling aggregate and recycled aggregate Concrete
- Recycled construction materials
- Supplementary cementitious materials
- Sustainability and economic benefit
- Low carbon-cost analysis (LCC/LCA)
- Code, standard and concept
- Environmental effect
- Innovative solution for recycling process
- Miscellaneous materials

Important dates

Deadline for Full Paper Submission: 30 April 2020
Notification of Full Paper Acceptance: 15 May 2020
Deadline for Early Bird Registration: 31 May 2020
Seminar Dates: 16-19 August 2020

Registration fees

Individual: USD 600 (Early bird) / USD 680 (On site)
Student: USD 300 (Early bird) / USD 380 (On site)
Industry showroom booth: USD 2,000
Banquet: USD 70

Call for papers

Authors are invited to register and submit full-paper online through the seminar website http://www.acfseminar2020.com/ by 31 May 2020

Venue

Sheraton Grand Danang Resort
35 Truong Sa Street, Hoa Hai Ward, Ngu Hanh Son District, Danang 550000 Vietnam
Tel: +84 236 3988 | Web: https://www.marriott.com/hotels/travel/dadsi-sheraton-grand-danang-resort

* Regarding to any announcements as well as seminar venues, details schedule, paper templates, submission procedure, registration method, and other information related to this seminar, please visit our website (http://www.acfseminar2020.com/) or contact the seminar secretariat (Hansol KIM | Email: secretariat@acfseminar2020.com | Tel. (KOR) +82-2-552-4728 / (ENG) Tel. +82-31-400-4028).
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Keynote lectures

Karen Scrivener
École polytechnique fédérale de Lausanne, Switzerland
Karen Scrivener leads Laboratory of Construction Materials (LMC) in the EPFL pioneering research activities on cementitious materials. The main focus is on sustainability. The majority of her research concerns understanding the processes governing the performance of cementitious materials through quantitative microstructural characterisation using analytical techniques such as SEM, XRD, TEM, TGA, and NMR. For ACF seminar 2020, she gives a lecture on “A reduction of the CO₂ emissions from cementitious materials”.

Hiroshi Yokota
Hokkaido University, Japan
Hiroshi Yokota works on lifetime management of concrete structure: monitoring of concrete deterioration and maintenance of the entire infrastructure. The evaluation of maintenance scenario by lifecycle cost estimation is one of the best strategy to deal with developing sustainable materials for concrete structures. The lifecycle assessment and management can be applied to diverse recycling materials. He gives a lecture on “Durability assessment of recycled aggregate used concrete structure”.

Stephen Foster
University of New South Wales, Australia
Stephen Foster’s research mainly concerns behaviour of concrete structures. Particularly, his interests are on bringing new and advanced materials to the engineering of structures such as UHPC, FRC and geopolymer to strengthen and repair the concrete structures. He gives a lecture on “Use of waste materials and by-products in concrete construction and the pathway to standardization”.

KOREC
Asian Concrete Federation
VCA
HỘI BÊ TÔNG VIỆT NAM
The University of Danang
UNIVERSITY OF SCIENCE AND TECHNOLOGY
It is great honour and pleasure to host the ACF Seminar 2020 on Recycling for Construction Materials under the support of the Asian Concrete Federation, Korean Recycled Construction Resource Institute and Vietnam Concrete Associate. The seminar will be held at Danang Sheraton Grand Danang Resort, Vietnam, on 16-19 August 2020.

The main theme of the ACF seminar 2020 is “Recycling for Construction Materials”. Recently, the world is facing more natural or man-made disasters due to the increase of wastes produced in daily life, consequently, not only humankind but also the entire eco-system is suffered. Therefore it has become necessary for mankind to endeavor to do best in reducing the discharge of wastes or recycling them. If recycling is not possible, we need to find an alternate usage of the wastes or try to treat the disposal safer to the environment. A unified approach for the future survival of humankind on Earth must be found. What we call “waste” which can be utilized as construction materials could be solid construction disposals, coal ash waste, steel slag and so on. And a significant amount of those materials are produced in the Asian-Pacific region under the rapid development of industry in the 21st century. Thus, discussions and studies on recycling and upcycling of the recyclable wastes into construction materials would promote will give solutions to make greener globe.

The seminar aims at providing a forum for conversation on recycling construction materials-related topics. The seminar will bring researchers, academics, and industry professionals who contribute towards the survival of the ecosystem and human, to share various experiences on technical development and assessment altogether. I encourage all the participants to contribute and collaborate in finding solutions as a civil engineer.

Jin Man Kim
Chair of ACF Seminar 2020