

CALL FOR WORKSHOP & EXHIBITIONS

Pre-symposium workshop and technical tour will be held on 10th March, 2020.

Detailed information will be updated on website in due course of time. Exhibitors from industry will also present their products and technology during the symposium days. The registration for workshop and technical tour can be done in registration section in website once it starts.

IMPORTANT DATES

Abstract submission starts	~started~
Abstract submission deadline	15 th Sep, 2019
Abstract acceptance notification	30 th Sep, 2019
Extended abstract submission deadline	30 th Nov, 2019
Extended abstract acceptance notification	15 th Dec, 2019
Full length paper submission deadline	15 th Feb, 2020

- ◆ The submission of extended abstract and full length paper starts after the receiving acceptance notification
- ◆ Registration starts after the acceptance of extended abstract.

REGISTRATION FEES

Participant Category	FEES (JAPANESE YEN)	
	Before Dec 30, 2019	After Dec 30, 2019
General	50000	60000
Students	30000	35000
Accompanying Person	20000	25000

- ◆ Registration fees includes technical tour/workshop, welcome reception, symposium proceedings, coffee break and lunch.

ORGANIZING COMMITTEE

Conference Chairman
Prof. H. Hazarika

Conference Co – Chairmen
Prof. G. Madabhushi
Prof. Emeritus K. Yasuhara
Prof. D. T. Bergado

Organizing Secretary

CORRESPONDENCE

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CREST 2020

1st International Symposium on CONSTRUCTION RESOURCES FOR ENVIRONMENTALLY SUSTAINABLE TECHNOLOGIES

March 10-12, 2020

Venue

NISHIJIN PLAZA, KYUSHU UNIVERSITY,
FUKUOKA, JAPAN

Organized by

KYUSHU UNIVERSITY, FUKUOKA, JAPAN

In association with

UNIVERSITY OF CAMBRIDGE, UK
ASIAN REGIONAL TECHNICAL COMMITTEE
NO. 1 (ASRTC1) OF ISSMGE

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website: <https://crest2020.com/>

OVERVIEW

In the past few decades, human activities around the globe have increased the risk of climate change, ozone depletion, soil erosion and air pollution. Industries dealing with construction materials consume significant amount of the global energy and deplete natural resources. Therefore, awareness towards sustainable design and construction of engineered systems, through innovative use of both the resources and their by-products has seen an exponential rise in recent years. The objectives of the sustainable systems in geotechnical engineering are to adopt reliable and resilient design and construction approaches using low-cost materials, which are economically and ecologically sustainable. Sustainable construction encourages using industrial by-products, which have low carbon footprint and are non-hazardous to environment. Utilizing the recycled materials can guarantee green infrastructures that require less energy to build and could be one of the ideal adaptations for climate change.

GOAL

The purpose of this symposium is to disseminate information and exchange ideas on issues related to natural and man-made disasters, and to arrive at solutions through the use of alternative resources, towards building a sustainable and resilient society from geotechnical perspectives. The symposium aims to bring together scientist, researchers, engineers and policy makers throughout the world under one umbrella for debate and discussion. The symposium will be focusing on sustainability, promotion of new ideas and innovations in design, construction and maintenance of geotechnical structures with aim of contributing towards climate change adaptation and disaster resiliency. It is hoped that through active participation of all the stake holders (industries, government and academia), the symposium will be able to inculcate some changes to the existing perception of dealing with problems, faced by the humankind in this ever challenging world.

ABOUT FUKUOKA

Fukuoka, the capital city of Fukuoka Prefecture, is situated in the northern region of Kyushu Island in Japan. Being Japan's 5th largest city, Fukuoka possesses of being the only city in World with a port and airport in close proximity which can be easily reached by subway, bus or metro in minutes. Also, it is the only city in Japan with an increasing trend in population growth and the youngest population in Japan. The city has an equal balance between urban and natural environment. The city boasts of all natural elements like mountains, plains, ponds and rivers which makes it home to hundreds of varieties of flora and fauna. Apart from natural elements, the city has iconic infrastructure elements like Fukuoka Tower, Fukuoka Dome, Marine World aquarium and many more to say. The city has a rich cultural heritage with many ancient monuments and shrines situated in and around the city like Dazaifu shrine, Tocho-ji, Hakozaki Shrine, Kashii shrine and Joten-ji. For beach lovers, there are many beaches along the coast in Itoshima city, located at western part of Fukuoka. With the best food and most food varieties in Japan, it is a heaven for gastronomes.

INSTRUCTION TO AUTHORS

Authors are requested to submit an abstract of maximum 400 words in .docx and .pdf by September 15, 2019 online at <https://crest2020.com/>. Abstract should include the background, significance of study, basic methodologies implied, indication of findings of the study and conclusions. The extended abstract should be of either 2 or 4 pages, which will be published in symposium booklet. Full length paper of either 8 or 10 pages will be published in post symposium proceedings by Springer as a series production. Selected papers will also be published in Environmental Geotechnics journal or geotechnical engineering journal of SEAGS. Young scientists and researchers will be rewarded for best papers. Atleast one of the authors or co-authors of the paper will have to register after acceptance of extended abstract for their paper to be published.

CONFERENCE THEMES

Sub-theme 1: Cascaded and Material Recycling in Geo Engineering

- ◇ Advancement in low cost and low carbon construction techniques
- ◇ Recycled materials (alternative geomaterials) in geotechnical constructions
- ◇ Mechanical and constitutive properties of recycled materials
- ◇ Management and utilization of disaster wastes

Sub-theme 2: Natural Disaster and Resiliency

- ◇ Climate change related natural disasters
- ◇ Climate change independent natural disasters
- ◇ Physical and numerical modelling of disaster mitigation techniques
- ◇ Information based (IoT, AI etc.) measures against natural disaster mitigation

Sub-theme 3: Climate Change Adaptation and Innovation

- ◇ Innovative techniques towards low carbon footprint
- ◇ Innovative case studies for sustainable design and construction
- ◇ Socio-economic and environmental aspects in sustainable construction
- ◇ Geological and hydrological aspects