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# Gulf conference on sustainable built environment 2019

## FIRST CALL FOR PAPERS

ON BEHALF OF THE  
Kuwait Foundation for the  
Advancement of Sciences (KFAS)

**Dr. Adnan Shihab-Eldin**  
Director General

CORDIALLY INVITES YOU  
TO PARTICIPATE IN THE

## Gulf Conference on Sustainable Built Environment

(GCSBEKW-2019)

**MARINA HOTEL**  
(SALWA AL SABAH BALLROOM)  
SALMIYA - STATE OF KUWAIT

**MARCH 10 - 13, 2019**

### IMPORTANT DATES AND DEADLINES

**Registration & Call for Papers Opens**  
July 15, 2018

**(Free Registration)**

**Abstract Due**  
October 15, 2018

**Reply to Authors**  
November 15, 2018

**Submit Manuscript for the Proceeding**  
January 31, 2019

**Conference Start**  
March 10, 2019

### ABSTRACT AND PUBLICATION

The abstract must be prepared according to Springer's template and submitted through the conference website. Publication by Springer of selected papers from this conference is planned.

### REGISTRATION & FEES

Free registration, however, participants should arrange their own travel and accommodation.

### MORE INFORMATION

**Website** [www.gsbekw.org](http://www.gsbekw.org)  
**E-mail** [gsbekw@kfas.org.kw](mailto:gsbekw@kfas.org.kw)



IN COLLABORATION WITH



## WHO SHOULD ATTEND:

This multidisciplinary conference aims to provide a unique forum to facilitate exchange of knowledge among civil infrastructure professionals, architects, materials scientists, engineers, urban planners, policy and building code makers, government officials, researchers and academicians in the area of sustainability of the existing built environment and sustainable designs for new building and urban systems in the Gulf region.

## CONFERENCE TOPICS

### Sustainable Construction Materials

Design and manufacturing of sustainable construction materials

Nano-engineered cementitious materials for durability

Multi-scale computational modelling for durable materials

Material sustainability through local raw material inputs

Effect of aggressive environment on material durability and characteristics

Use of waste materials and recycling for sustainable solutions

### Structural Monitoring, Assessment, and Engineering

Structural health monitoring of civil infrastructure systems

Ground motion modelling and assessment

Non-destructive testing and evaluation for sustainable infrastructure systems

Seismic analysis and design of tall buildings

Performance based earthquake engineering and reliability assessment of structures

Energy based design for seismic resistance of structures

### Energy Efficiency and Life Cycle Analysis

Building code and standards development

Energy efficiency of buildings

Life cycle performance of buildings and neighborhoods

Development of Urban model platforms

Life cycle and risk assessments

Rating systems for sustainability of buildings and infrastructure

Environmental impact of retrofitting versus new construction

Urban growth strategies for optimum material and system sustainability

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