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Call for Papers Special Issue – <u>Deadline</u> 29th February 2020
BEPAM: Built Environment Project and Asset Management

Built Environment Project and Asset Management

Towards a Smart Sustainable and Resilient Built Environment

Background and Rationale

Even though the essence of sustainable development is clear and widely captured in scientific literature, the exact interpretation of the concept of 'sustainable' is still open to debate and has generated strong discussions. The theme of this particular Special Issue (SI) positions the concepts of smart and resilient as important pathways to help achieve sustainability in the built environment. Nevertheless, the interrelation and interdependence between these two concepts of smart and resilient are not clearly evident. This led to the questions of 'is the smart built environment always resilient?'; 'is the resilient built environment always smart?'; and 'what more is needed for sustainability?'. This indicates that there is a great scope and potential to further explore the concepts and interplay of smart, sustainable and resilient in the context of the built environment. In exploring these areas, the proposed SI papers are expected to unveil and disseminate new insights to the triple concepts of smart, sustainable and resilient in the context of the built environment that in turn would attract a wide range of readers.

The theme of this SI aims to lay a platform for the researchers to integrate the concepts such as smart, innovation, technologies, green, energy efficiency, carbon reduction, sustainability and resilience in the context of buildings and other built infrastructure.

Specific objectives include:

- To capture and document the latest concepts and practices for a smart, sustainable and resilient built environment in a global context.
- To investigate and integrate the three concepts of smart, sustainable and resilient built environment, both independently and interdependently; and also demonstrate their contributions to the climate change agenda

- To investigate and convey how innovative technologies, materials and construction

methods can contribute to resilience, energy efficiency and carbon reduction in the built environment.

- To develop, disseminate and trigger further development of recent advances and critiques of theory and practice in the sustainable built environment, independently and collectively focusing on the concepts of smart and resilient issues
- To provide a platform for innovative and forward looking technological case studies that substantiate the above advances in theory and practice.

This SI can make a real impact in bringing together and synergizing advances in theory and practice on the sustainability of built environment. As this SI is particularly focusing on three key areas such as smart, sustainable and resilience, the integration of these sub-themes will provide greater potential for holistic solutions to the enhancement of the sustainability of the built environment that can withstand current climatic challenges and improve its resilience, while achieving this in smart modes with modern and innovative technologies. Organisations and researchers who are working on resilient buildings and others who contribute to smart buildings can find in this SI, a common platform to work collaboratively to incorporate both smart and resilient features to make the built environment more sustainable.

Anticipated Themes

The following is an indicative, hence a non-exhaustive, list of anticipated themes that could be explored in this Special Issue:

- Smart, sustainable and resilient buildings and other built infrastructure
- Addressing climate change with smart and resilient built environment
- The integration of smart and resilient advances in the built environment in achieving sustainability
- Eco-Friendly and sustainable materials and products
- Sustainable construction methods and process improvement strategies

- Social, economic, ecological and cultural perspectives of the built environment
- Decision-support tools and assessment of built environment sustainability
- Retrofitting and adaptive re-use of buildings for sustainability
- Sustainable urbanisation
- Green buildings
- Low carbon and energy efficiency in buildings and infrastructure
- Innovations and Smart Technologies to Enhance Sustainability
- Awareness, education, training and capacity development for sustainable construction
- Smart, Sustainable and Resilient cities
- Environmental assessment of buildings and other built infrastructure
- Regulations, policy interventions and initiatives to enhance smart resilience and sustainable development

Guidance on Submissions

All submissions to Built Environment Project and Asset Management should be through ScholarOne Manuscripts. Registration and access are available here.

Author guidelines must be strictly followed. Please review here.

The **total** word count limit (**including** Figures and Tables, counted at 280 words *each*) is **7,500 words**. Submitted articles must not have been previously published, nor should they be under consideration for publication anywhere else, while under review for this journal.

The Guest Editors will conduct an initial screening of submitted papers. Those judged suitable for the special issue will be sent to at least two independent referees for **double blind peer review**, after which submissions may be recommended for revisions and further review, acceptance or rejection.

Interested authors should select (from the drop-down menu) the special issue "**Towards a Smart, Sustainable and Resilient Built Environment"** at the appropriate step in the submission process, i.e. in response to "**Please select the issue you are submitting to**".

Deadline

Papers for this special issue should be submitted through the above portal before 29th February 2020. [Note: new submissions after the deadline of 29th February 2020 cannot be considered for this Special Issue].

Journal

BEPAM is a CIB recognised international journal. It is indexed and abstracted in databases such as SCOPUS, EBSCO, INSPEC as well as in the ESCI ('Emerging Sources Citation Index') maintained by Clarivate Analytics (previously by Thomson Reuters) in 'Web of Science'. For further information on the journal, please visit.

BEPAM is one of the three CIB recognised Journals. For a complete list of CIB recognised and CIB encouraged journals and information on these journals see here.

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