



# CALL FOR PAPERS

**ICBDSEA 2022**  
**Mar 11-12, 2022**  
**Miami, USA**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICBDSEA 2022 : International Conference on Big Data in Structural Engineering Applications is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Big Data in Structural Engineering Applications. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Structural engineering  
Construction engineering and management  
Health monitoring  
Civil engineering  
Environmental engineering  
Highway and transportation engineering  
Hydraulics and water power engineering  
Materials science and engineering  
Geotechnical engineering  
Earthquake engineering  
Coastal and harbor engineering  
Tunnel engineering

Surveying and geo-spatial engineering  
Geomatics, geosciences, remote sensing, geographical information systems  
Information technology in civil engineering  
Innovative algorithms, software solutions and methodologies for data collection and analysis of big data  
New tools and methods for deploying and managing uncertainty and risk in big data  
Big data case studies  
Security and privacy of big data  
Data-driven optimal planning and scheduling  
Data mining  
Pattern recognition  
Machine learning  
Classification