CONSTRUCTION IN 5D: DECONSTRUCTION, DIGITALIZATION, DISRUPTION, DISASTER, DEVELOPMENT

There is little doubt that the construction industry has experienced exponential change and development in recent years. The 16th Built Environment Conference will examine five of these cutting-edge concepts to determine their state of the art in the construction sector both in practice and academic research. This conference therefore seeks responses to questions related to current conversations, debates and empirical research on:

DECONSTRUCTION
The dismantling or ‘unbuilding’ of buildings to maximise reusing and preserving the demolished fragments and involves taking a building apart piece by piece, essentially reversing the order of the construction.

DIGITALIZATION
The conversion and transformation of construction business processes to use digital technologies and embrace the ability of digital technology to collect data, establish trends and make better business decisions.

DISRUPTION
Displacement of well established construction technologies, techniques or products to disruptively affect the normal operation or function of the construction Industry while potentially creating a new industry or market. Artificial intelligence, virtual/augmented reality, internet of things, blockchain technology, and a e-commerce are some of the disruptive technologies that are significantly influencing the future of the construction Industry.

DISASTER
An occurrence that disrupts the normal conditions of existence and operation causing a level of suffering and challenge that exceeds the capacity of adjustment of the affected community and the construction Industry.

DEVELOPMENT
In the context of construction refers to an industry that possesses the vision, leadership and capacity to bring about a positive transformation of itself within a condensed period of time.

Selected papers will be published as book chapters and indexed in Scopus
It is intended that these papers will contribute significantly to the existing body of knowledge relative to the science and practice of construction not only in South Africa but everywhere where the products of construction are produced even in these new challenging times of fear and uncertainty.

The conference invites papers within the context of its theme that address, inter alia, in both public and private sectors:
- Current trends and developments
- Innovation
- Opportunities and challenges
- Policies and procedures
- Legislation and regulations
- Practices
- Case studies

Papers will be reviewed according to:
- Relevance to the conference theme
- Objectives and outcomes of the conference
- Originality of the subject matter
- Rigor and robustness of empirical research
- Research design and methods

Full Paper Submission: 15 Jul '22
Notice of Acceptance: 6 Aug '22
Final Paper Submission: 30 Aug '22