Dear Colleagues,

We are delighted to invite you to participate in a mini-symposium on the topic of “Digital Twin Construction”, which will take place within the 19th International Conference on Computing in Civil and Building Engineering (ICCCBE19), to be held in Cape Town, South Africa, from 26th - 28th October 2022 (see https://icccbe.org/ for more information, and specifically theme 510 Digital Twin Construction).

**Digital twin construction (DTC)** is a new mode for managing production in construction that leverages the data streaming from a variety of site monitoring technologies and artificially intelligent functions to provide accurate status information and to proactively analyze and optimize ongoing design, planning, and production.

The mini-symposium will host conference papers in two dedicated and consecutive special sessions. Among the topics we would like to include:

- Methods for data acquisition on construction sites
- Merging and interpreting monitoring data to provide helpful project status information (PSI)
- Algorithms for processing raw monitored data
- Comparison of intent information (project design and process plan) with status information (as-built and as-performed information) to formulate actionable knowledge
- Simulation, prediction, and optimization of expected project performance
- Delivering project intent information (product design and/or process plan) to actors in a construction project

Researchers from the EU Horizon research projects on building digital twins (BIM2TWIN, ASHVIN, COGITO and BIMPROVE) are particularly encouraged to participate.

The key dates for abstracts and paper submission are the following:

- **May 15, 2022** – Abstract submission deadline
- **June 30, 2022** – Full paper submission deadline
- **15 September 2022** – Registration deadline

The conference webpage is: [https://icccbe.org/](https://icccbe.org/)

We look forward to hearing from you, and we remain at your disposal for any queries.

Best regards,

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