Call for Papers

The University of Florida will be hosting the North American Linked Data in Architecture and Construction (LDAC) Workshop on Linked Building Data and Semantic Web Technologies. The theme of this workshop is **IoT and Smart City Applications**.

Topics:

Linked Building Data

- The ifcOWL ontology (buildingSMART)
- Linked Building Data ontologies: BOT, PRODUCT, PROPS, OPM
- 3D geometry ontologies
- Infrastructure ontologies
- Building automation ontologies
- Semantic sensor ontologies (SSN)
- IoT and Smart City Ontologies

Semantic Web Technologies

- Linking building data to product data, GIS data and sensor data
- Interoperability
- Ontology mapping and instance mapping
- Building data localization
- Semantic web services
- Reasoning
- Semantic query systems
- Visualization frameworks

IoT and Smart City Applications

- Built Environment Resilience
- Sustainability
- Information and Communication Technologies
- Intelligent and sustainable transportation safety, health monitoring, and condition assessment
- Advances in Information Modeling

Scientific contributions are invited in all emerging areas of computing in the AECO industry, including posters, demonstrations, and industry case studies. All submissions will be reviewed for content and technical merit, and organized based on their technical area and/or application context. Best practices and applications focusing on Semantic Web Technologies and Linked Data from non-AECO industries are also invited. Highly-rated peer-reviewed research papers will be selected and nominated to a special collection of ASCE Journal of Computing in Civil Engineering.

Important Dates:

- Abstracts Due: **12 November 2018**
- Notice of abstract acceptance: **26 November 2018**
- Full Technical Papers Due: **18 January 2019**
- Submission of extended abstracts (posters, demos, and industry case studies): **18 January 2019**
- Notice of Technical Papers and extended abstracts acceptance: **25 February 2019**
- Final Registration: **18 March 2019**
- Conference: **13-15 May 2019**

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