



# CALL FOR PAPERS

**ICUAV 2020**  
**Jul 16-17, 2020**  
**Toronto, Canada**

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.

ICUAV 2020 : International Conference on Urban Analytics and Visualization is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Urban Analytics and Visualization. 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:

Urban analytics  
Spatial urban analytics  
Smart cities and urban analytics  
Geographic information systems and science  
Urban systems theory  
Spatial data capture, storage and analysis  
Urban simulation, analysis and design  
Agent-based modelling and individual-based modelling  
Machine learning for urban analytics  
Innovations in consumer data analytics for understanding urban systems  
Real-time model calibration and data assimilation  
Spatio-temporal data analysis  
New data, case studies, demonstrators, and tools for the study of urban systems

Complex systems analysis  
Geographic data mining and visualization  
Frequentist and Bayesian approaches to modelling cities  
Mobile big data for urban analytics  
City-wide data collection: practice and theory  
City-wide mobile traffic modeling, visualization, analysis, and prediction  
City-wide human mobility modeling, visualization, and understanding  
Human behavior modeling and mining in urban environment  
Social behavior modeling, understanding, and patterns mining in urban spaces  
Application of urban computing to the design of distributed and mobile urban systems  
Data mining of large scale urban networks and big data  
Urban computing applied to forwarding/routing problems of mobile networks  
Application of social network analysis to urban communication and computing system design

