



International Conference on Urban Intelligence and Applications

Taiyuan, China, August 14 – 16, 2020

- As the new generation of sensors and tools are being developed, municipal governments are formulating strategic plans to implement smart communities at different scales and insights and solutions are urgently needed to innovate and manage urban spaces to improve livability and accessibility. The International Conference on Urban Intelligence and Applications aims to bring together researchers, industry leaders, policy makers, and administrators to discuss emerging technologies and their applications to advance the design and implementation of intelligent utilization and management of city assets and thus contributing in the autonomous, reliable, and efficient operation of modern cities. Technical programs of this conference will encompass plenary talks, technical sessions, and exhibitions. High quality papers will be invited to submit to reputable international journals. Additional information can be found at <http://covis.cse.unt.edu/ICUIA20/>.

TOPICS OF INTEREST (INCLUDE BUT NOT LIMITED TO)

Technology and Infrastructure

- Geospatial and artificial intelligence theories and tools
- Big data analytics for smart communities
- Deep learning and pattern recognition methods for smart communities
- Data visualization and simulation tools
- Advanced networks and intelligent sensors
- Internet of things (IoT) for smart communities
- Edge computing, cloud computing, and mobile computing for urban intelligence

Community and Wellbeing

- Smart home, building, and community
- Robotics for community services
- Healthcare and wellbeing
- Water/waste management
- Smart grids and energy efficiency
- Energy harvesting and management
- Urban land management, sustainability, and livability
- Advanced communication and networking

Mobility and Transportation

- Autonomous vehicle and management
- Transportation and traffic systems
- Manufacturing and logistics
- Food and consuming goods distribution and management
- Human mobility modeling and analytics
- Indoor/outdoor navigation and mapping

Security, Safety, and Emergency Management

- Security and privacy for smart communities
- Community safety and smart crime management
- Disaster modeling, monitoring, analysis, and prediction
- Pollution monitoring and management
- Regulations and policies for smart cities
- Ethics of ubiquitous sensing and analysis technologies

PAPER SUBMISSION AND PUBLICATION

Each manuscript is limited to eight (8) pages. Two additional pages are acceptable with a page charge. Papers will be peer-reviewed by the program committee.

For publication, at least one author of each paper must register at the full rate and present the paper at the conference. Selected papers will be invited for publication in international journals (SCI-Index). All manuscripts must be submitted via ICUIA easychair portal at <https://easychair.org/conferences/?conf=icuia20>.

IMPORTANT DATE

Full paper submission:	4/30/2020
Notification:	6/1/2020
Final Paper and Registration:	6/15/2020
Conference:	8/14-16/2020

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