1st International Conference on Urban Data Science

January 20-21, 2020,
IIT Madras, Chennai, India.

Sponsored by **ACM Chennai, Professional Chapter** &
Supported by **IEEE Computer Society, Madras Chapter**

The 1st International Conference on Urban Data Science will take place in January 20-21, 2020, at ICSR Building IIT Madras in Chennai, Tamil Nadu, India.

**WEBSITE:** [UDS’20 — International Conference on Urban Data Science](#)

**Important Dates**

➔ **Paper Submission Deadline:** 1st October, 2019.
➔ **Acceptance Notification:** 31st October, 2019.
➔ **Camera Ready Deadline:** 10th November, 2019.

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Overview

Urban areas continue to be the centers of human activities and remain the loci of resource and service consumption, economic transactions, and innovation. In fact, the projections in parts of the world point to rapid urban growth. Other areas of the urbanized world are experiencing population decline, reduced revenues, concentrated poverty, and higher demands for services. Whether growing or shrinking, cities and metropolitan areas face challenges of infrastructure, public health, transportation, public safety, and environmental sustainability, to name but a few. To address some of these challenges, the cities of today are increasingly leveraging advanced computing and communication technologies as well as big data analytics under the umbrella of smart cities and urban informatics. Extensive research is taking place in a wide range of relevant research areas to address some of these emerging challenges. Smart City initiative is of global importance especially undertaken by cities in US, India, multiple EU countries, and UAE governments in recent times.

We are pleased to announce the first international conference focused on urban data science and smart cities. The conference aims to gather researchers, practitioners, and subject matter experts from academia, industry, and city administration to address a number of research themes arising out of building future smart cities.

Topics

The conference is naturally expected to be multi-disciplinary, drawing experts in data science, social sciences, cloud and distributed computing, urban sustainability, public policy, and software engineering. Participants are expected to share new findings, discuss current and future urban challenges, exchange ideas, discuss potential collaborative opportunities, and report latest research efforts that cover a variety of topics including, but not limited to:

- **Internet of Things (IoT)**
  - Smart sensors.
  - Energy saving schemes for IoT devices.
  - Test bed and experiment experiences in cities.

- **Analytics**
  - Big data for urban informatics.
  - Systems for urban data collection.

- **Software Engineering**
  - Software engineering for urban applications.
  - Wireless protocols for IoT devices.
  - Cloud computing and network infrastructure that supports smart cities.

- **Social Science and Public Policy**
  - Using data to promote healthy cities.
  - Public administration and big data.
  - Access and usability of data for citizens.
  - Using data analytics for poverty reduction interventions.

- **Applications**
  - AI and deep learning models for traffic and other infrastructure management.
  - Environment and urban monitoring.
  - Mobile crowdsourcing.
  - Smart transportation.
  - Smart energy and water meters.
  - Smart buildings and Emergency response/disaster management.

Individuals with an interest in these and related themes are invited to submit original and unpublished research papers, position papers, and successful case studies or implementations in practice.

Submission Instructions

Submissions can be at most 16 single-spaced pages (all included) in Springer Verlag's LNCS series format.

Submission Link: [https://easychair.org/conferences/?conf=uds20](https://easychair.org/conferences/?conf=uds20)

Contact us

Any queries can be sent to: uds.iit.rit@gmail.com