Workshop on
Data Challenges in Understanding Urban Heat Island and Air Quality

The Eighth International Conference on Big Data Analytics (BDA 2020)

15 - 18 December 2020

Ashoka University, Sonipat (Delhi, NCR), India

THE WORKSHOP AND THE CONFERENCE WILL BE HELD FULLY ONLINE

http://www.bda2020.org/

Workshop Organizers

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Call for Papers

This workshop will be conducted on **December 15, 2020**, as part of the Eighth International Conference on Big Data Analytics (BDA 2020), to be held from December 15 to 18, 2020 at Ashoka University. The workshop provides an international forum for researchers and industry practitioners to share their original research results, practical experiences and thoughts on applications of big data to two major urban issues of our times: the urban heat island effect and the deteriorating air quality, particularly in built-up areas.

We invite technically sound, high-quality research papers proposing solutions addressing the role of big data analytics in analyzing large volumes of heterogeneous data obtained in studies of ambient thermal and air quality conditions, urban morphology, land use, and urban energy use. Papers presenting case studies are also welcome. Major topics of interest to the workshop include, but are not limited to:

- Data Fusion and Multi Modal Analytics – applications to air quality and urban micro-climate
- Data Models / Model Discovery for Air Quality modelling
- Modelling urban shape and form (morphology)
- Urban planning
- Low-cost sensor development & deployment
- Cognitive computing techniques for analysis of ambient air quality and/or thermal data
- Predictive Modelling of air quality
- Scalability and Performance issues in urban studies

Authors of accepted papers must attend the workshop and present their paper.

Paper Submissions

Each paper should contain an abstract of approximately 300 words. The submissions must include a title page and references, and appendices, if needed. For preparing the manuscript, please see instructions for authors by Springer, in the Lecture Notes in Computer Science series (LNCS). The paper should be no more than 15 pages, including references and appendices. Submissions should be sent to one of the email addresses listed below.

Important Dates: (deadlines are midnight of date listed, author's location)

Full Paper Submission: ..... November 27, 2020
Paper Acceptance Notifications & Review Comments: ..... December 4, 2020
Final (Revised) Paper Submission: ..... December 11, 2020

Paper Submission Contacts

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