Call for Contributions

Inform the Chair: with the Title of your Contribution
Submission URL:
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Please select Track Preference as **BSDM**

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Special track
BSDM: Big Spatial Data Management

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along with
CLOUD COMPUTING 2017, February 19 - 23, 2017 - Athens, Greece
The Eighth International Conference on Cloud Computing, GRIDs, and Virtualization
http://www.iaria.org/conferences2017/CLOUDCOMPUTING17.html

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We are living in the era of "Big Data". Spatial and Spatiotemporal Data are not an exception. Mobile apps, cars, GPS, UAVs, ships, airplanes, space telescopes, medical devices and IoT devices are generating explosive amounts of data with spatial characteristics. Web apps and social networking systems also store vast amounts of geolocated information, like geolocated tweets, or captured mobile users' locations.

Modeling, storing, querying and analyzing big spatial and spatiotemporal data is an active area of basic and applied research with many challenges. Parallel and distributed environments (e.g. SpatialHadoop, Hadoop-GIS, SpatialSpark, LocationSpark) utilizing cloud infrastructures are being created and extended for novel big spatial data management solutions.

The purpose of this track is to act as a forum where recent advances in Big Spatial (and Spatiotemporal, considered as a special case of Spatial) Data Management will be presented and discussed. Contributors are invited to submit applied and basic research papers, as well as, position papers addressing topics including but not limited to the following:

- Systems and applications for Big Spatial Data Management
- Modeling of Big Spatial Data
- Algorithms for processing Big Spatial Data
- Access methods for Big Spatial Data
- Processing of Big Spatial Data on high performance computing frameworks (parallel and distributed infrastructures, GPUs, Cloud, Grid)
- Visualization of Big Spatial Data
- NoSQL based methods for Big Spatial Data
- Methods for Big Spatial Data analysis
- Big Spatial Data mining
- Performance studies on Big Spatial Data processing

Important Datelines
- Inform the Chair: As soon as authors decided to submit and secured the financial support

- Submission: January 15
- Notification: January 25
- Registration: February 5
- Camera ready: February 8

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the free access ThinkMind Digital Library: http://www.thinkmind.org

Paper Submission
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Registration
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

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