

Call for Contributions

1. Inform the Chair: with the Title of your Contribution

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=GEOProcessing+2019+Special>

Please select Track Preference as **SDP**

Special track

SDP: Spatio-temporal Data Processing

Chair

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along with

GEOProcessing 2019, The Eleventh International Conference on Advanced Geographic Information Systems, Applications, and Services

<http://www.iaria.org/conferences2019/GEOProcessing19.html>

February 24 - 28, 2019 - Athens, Greece

The technological advancements in mobile computing coupled with location-based services provide tremendous opportunities to capture different spatio-temporal trajectories of moving and changing objects for numerous applications such as pattern mining, activity recognition, etc. These trajectories are usually raw and require several pre-processing techniques to be used before utilizing them for knowledge extraction processes. Moreover, heterogeneity and a huge volume of such trajectory datasets raise many concerns related to data modeling, managing, indexing and information retrieval for discovering and visualizing knowledge. Though the pre-processed spatio-temporal trajectories are only useful for understanding the movement dynamics of objects, it does not provide the contextual and application-specific information that is required to cognize the meaning behind each trajectory.

To address these challenges and by taking into account the spatio-temporal aspects of trajectories, original methods and applications need to be proposed for processing real and complex data from different domains such as environment, health, urban, and so forth to study fine-grained objects' interactions in dynamic environments.

The topics encompass, but not limited to:

- Preparation of spatio-temporal data using pre-processing techniques
- Data modeling, mining and data warehousing methods for spatio-temporal data
- Behaviors and knowledge extraction using spatio-temporal data
- Techniques for enriching spatio-temporal data with information extracts using approaches such as Web of Things, Semantic Web, data mining, NLP, etc.
- Visual analytics for spatio-temporal data
- Applications and case studies related to usability of spatio-temporal data for urban traffic systems, trajectory analysis, safety management, etc.

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.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: ~~Nov 13, 2018~~ **Jan 08, 2019**
- Notification: ~~Dec 13, 2018~~ **Jan 23, 2019**
- Registration: ~~Dec 27, 2018~~ **Feb 03, 2019**
- Camera ready: ~~Jan 10, 2019~~ **Feb 03, 2019**

Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

Paper Format

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.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

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=GEOProcessing+2019+Special>

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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.iaia.org/registration.html>

Contact

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