



LBS 2019

15th Conference on Location Based Services
Vienna, 11–13 November 2019



Call for Papers

The ICA Commission on Location-Based Services and Technische Universität Wien are pleased to invite you to contribute to the 15th International Conference on Location-Based Services, 11–13 November 2019

Participants and focus Built on the success of previous conferences in this series, LBS 2019 is addressed to scholars, researchers, digital industry / market operators, and students of different backgrounds (scientific, engineering and humanistic) whose work is either focused on or relevant to location based services (LBS). The conference will offer a common ground to colleagues from various disciplines and practice where they can meet, interact and exchange knowledge, experience, plans and ideas on how LBS can and could be improved and on how it will influence both science and society.

Topics We invite contributions in the following areas:

- **Ubiquitous positioning**
Outdoor and indoor positioning | Multi-sensor system and sensor fusion
- **Context modelling and context-awareness**
Smart environments and ambient spatial intelligence | Indoor spatial data modelling and mapping | Semantic data models for LBS | Context modelling, personalisation and context-aware adaptation
- **Mobile user interface and interaction**
Visualisation techniques for LBS | Mobile human-computer interaction | Augmented reality
- **Analysis of LBS-generated data**
LBS, crowdsourcing, and volunteered geographic information (VGI) | Geotagged big data | Computational mobility and activity analysis
- **User studies and evaluation**
Evaluation methodologies for LBS | User experiences of LBS | Mobile spatial cognition
- **Social and behavioural implications of LBS**
Privacy | Legal, ethical and business aspects in LBS
- **Innovative LBS and applications**
Smart cities and transportation | Mobile healthcare | Location based social networks and games | Digital humanities | LBS in the era of autonomous vehicles and artificial intelligence

Organized by

- ICA Commission on Location-Based Services
- Technische Universität Wien, Research Group Cartography

Submissions We invite the following types of contributions:

- **Full papers** – to present significant scientific results. Full papers will be double-blind peer-reviewed. High-quality submissions will be accepted for presentation at the conference and published in the *Advances in Cartography and GIScience* of the ICA Series, which are open-access. The program committee may decide to accept full paper submissions as work-in-progress papers instead.
- **Work in progress** – to present ongoing work. Short papers will be double-blind peer-reviewed. Work-in-progress papers should include succinct and sufficient information about research objectives, significance, method, and preliminary or expected findings. If accepted, you are either invited to give an oral or a poster presentation at the conference (decision by the program committee). Your work-in-progress paper will be published in the online proceedings of the conference (with an ISBN).
- **Showcases** – live presentations of research prototypes and products. Showcase abstracts will be reviewed by the PC chairs and, if accepted, published in the online proceedings of the conference.

The best accepted full and work-in-progress papers will be invited to submit an extended version to the *Journal of Location Based Services* by Taylor & Francis.

Dates Please submit your contributions according to the guidelines (see website) and the following deadlines:

Full paper submission	1 Jun 2019
Work in progress submission	15 Jul 2019
Notification of full paper acceptance	1 Aug 2019
Notification of work in progress acceptance	15 Sep 2019
Camera-ready full paper (for <i>Advances of the ICA</i>)	15 Sep 2019
Showcase submission	15 Sep 2019
Early registration ends, author registration deadline	18 Sep 2019
Camera-ready work in progress	9 Oct 2019
Conference	11–13 Nov 2019