LBS 2020

16th Conference on Location Based Services

London 11–13 November 2020

Call for Papers

The ICA Commission on Location Based Services and University College London are pleased to invite you to contribute to the 16th International Conference on Location Based Services, 11–13 November 2020

Participants and focus

Built on the success of previous conferences in this series, LBS 2020 is addressed to scholars and 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.

Organised by

- ICA Commission on Location Based Services
- The Bartlett Centre for Advanced Spatial Analysis, University College London, UK

For more information please consult the conference website: https://lbs2020.lbsconference.org

ICA Commission on Location Based Services

THE BARTLETT CENTRE FOR ADVANCED SPATIAL ANALYSIS

Topics

We invite contributions in the following areas (but not limited to):

Ubiquitous positioning and Navigation
- Outdoor and indoor positioning
- Multi-sensor system and sensor fusion
- Seamless (indoor-outdoor) navigation
- Simultaneous Localisation And Mapping (SLAM)

Spatial Cognition and sense of place
- Sense of direction and self-orientation
- Cognitive navigation
- Landmark-based localisation and navigation

New forms of location data
- Location-based social media and Geotagged big data
- Crowdsourced and volunteered geographic information (VGI)
- Mobile data and activity analysis

Contextual information and context-awareness
- Smart environments and ambient 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 and virtual reality

User studies and evaluation
- Evaluation methodologies for LBS
- User experiences of LBS
- Mobile spatial cognition

Social and behavioural implications of LBS
- Location privacy
- Legal and ethical aspects in LBS
- Biases in location data analytics and Artificial Intelligence (AI)

Innovative LBS and applications
- Smart cities and transportation
- Autonomous and connected vehicles
- Artificial intelligence and LBS
- Mobile healthcare
- Location based social networks and games
- Digital humanities

LBS 2020
16th Conference on Location Based Services
London 11–13 November 2020

Call for Papers

The ICA Commission on Location Based Services and University College London are pleased to invite you to contribute to the 16th International Conference on Location Based Services, 11–13 November 2020

Submissions
All papers must be original and not simultaneously submitted to another journal or conference. The following paper categories are welcome:

Full papers – presenting 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 Springer Lecture Notes in Geoinformation and Cartography. Papers should be written in English according to the template, and should not exceed 25 pages (including title, figures and references). Full papers must be submitted in PDF format through the Easychair website by 15 May 2020.

Work in progress – presenting ongoing work. Short papers will be double-blind peer-reviewed. Work-in-progress papers should include succinct and sufficient information about research objectives, significance, methods, 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 individual DOIs). Work-in-progress papers (up to 5 pages, including title, figures and references) must be written in English using the template and submitted through the Easychair website by 14 June 2020.

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 either the Journal of Location Based Services by Taylor&Francis or Journal of Navigation of Royal Institute of Navigation, based on the topic.

Important dates

- Pre-conference workshop and exhibition proposal: 15 March 2020
- Full paper submission: 15 May 2020
- Work in progress submission: 14 June 2020
- Notification of full paper acceptance: 10 July 2020
- Notification of work in progress acceptance: 01 September 2020
- Camera-ready full paper (for the Springer book): 01 September 2020
- Showcase submission: 13 September 2020
- Early registration ends, author registration deadline: 13 September 2020
- Camera-ready work in progress: 01 October 2020
- Conference: 11–13 November 2020

For more information please consult the conference website: https://lbs2020.lbsconference.org

ICA Commission on Location Based Services

UCL

THE BARTLETT
CENTRE FOR ADVANCED
SPATIAL ANALYSIS