



## CONFERENCE OVERVIEW

The main objective of the ADBIS series of conferences is to provide a forum for the dissemination of research accomplishments and to promote interaction and collaboration between the database and information system research communities from European countries and the rest of the world.

The organizer of the conference is the University of Maribor, Faculty of Electrical Engineering and Computer Science, Institute of Informatics.

## PAPER SUBMISSION

The organisers of ADBIS 2019 invite original papers describing results that broadly belong to both theory and practice of databases and information systems. The list of specific topics of interest follows, with a note that it is not exhaustive and we welcome novel results addressing topics not included in the list.

## PUBLICATION OF ADBIS PAPERS

### Full papers

Full papers will be published in the Special issue of the journal Lecture Notes in Computer Science (Springer). Acceptance for publication in the journal is subject to peer review. Papers should be 12-15+ pages long in the LNCS format. For camera-ready papers use Latex or Word style (find here:

<http://preview.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines>).

The program committee may decide to accept a submission as a short paper if it reports interesting results but does not justify the publication of a full paper.

### Short papers

Accepted short papers of the main conference will be published in Communications in Computer and Information Science (Springer) series. Acceptance for publication in the journal is subject to peer review. ADBIS short research papers should be 6-8+ pages long in the CCIS format. The best paper authored solely by students will receive an award.

Accepted workshop papers, doctoral consortium papers are also published in Springer's Communications in Computer and Information Science (CCIS) series. For camera-ready papers use Latex or Word style (find here:

<http://preview.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines>).

### Further publication options

ADBIS 2019 organizing committee is negotiating with different journals for the best papers to be invited to be published in an extended format in a peer-reviewed special issue of the journal.

## GENERAL RULES

- Papers must be written in English.
- Papers must contain previously unpublished work and not be submitted concurrently to another conference.
- Papers are submitted using an electronic submissions system, as detailed below.
- At least one of the authors of accepted paper must register to ADBIS 2019 in order to have the paper published. One registered person may present up to 2 contributions with one regular fee, but an additional charge is requested for publishing expenses.
- If the full paper exceeds 18 pages in LNCS format, additional charge will be applied. A maximum of 22 pages per full paper is allowed.
- Accepted papers must be presented at the conference by one of the authors.
- ADBIS papers must be submitted via the EasyChair system: <https://easychair.org/conferences/?conf=adbis2019>
- Authors of accepted papers should follow the Springer guidelines:

[ftp://ftp.springernature.com/cs-proceeding/syproc/guidelines/Springer\\_Guidelines\\_for\\_Authors\\_of\\_Proceedings.pdf](ftp://ftp.springernature.com/cs-proceeding/syproc/guidelines/Springer_Guidelines_for_Authors_of_Proceedings.pdf)



## TOPICS

- Data intensive sciences and databases
- Theoretical foundations of databases
- Management of large scale data systems
- Data models and query languages
- Database monitoring and (self-)tuning
- Data curation, annotation, and provenance
- Data warehousing, OLAP, and ETL tools
- Indexing, query processing and optimization
- Data mining and knowledge discovery
- Big data storage, replication, and consistency
- Modeling, mining and querying user generated content
- Data quality and data cleansing
- Web, XML and semi-structured databases
- Sensor databases and mobile data management
- Text databases and information retrieval
- Probabilistic databases, uncertainty and approximate querying
- Temporal and spatial databases
- Graph databases
- Databases on emerging hardware architectures
- Distributed data platforms, including Cloud data systems, key-value stores, and Big Data systems
- Distributed ledger technologies
- Information extraction and integration
- Streaming data analysis
- Scalable data analysis and analytics
- Data and information visualization; and user interfaces
- Information quality and usability
- Information system architectures and networking
- Business process modeling and optimization
- Data and information flow engineering and management
- Context-aware and adaptive information systems
- Data and information intensive services
- Requirements engineering for databases and information systems
- Artificial intelligence in databases and information systems
- Data, information, and information systems security
- Innovative platforms for data and information handling
- Innovative approaches for database and information systems engineering
- Novel database and information systems applications
- Challenges and novel approaches in teaching databases and information systems

## IMPORTANT DATES

- March 15, 2019 – Submission of papers
- May 10, 2019 – Notification of acceptance
- May 31, 2019 – Camera-ready papers