

ADBIS 2018

September 2-5, 2018

Budapest, Hungary

22nd European Conference on Advances in Databases and Information Systems



OVERVIEW OF THE CONFERENCE

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 ADBIS conferences provide an international platform for the presentation of research on database theory, development of advanced DBMS technologies, and their advanced applications.

The organizer of the conference is the **Eötvös Loránd University Budapest Faculty of Informatics**, and **SZTAKI**.

The conference will consist of regular sessions with technical contributions (regular papers, short papers) reviewed and selected by an international program committee, as well as of invited talks and tutorials presented by leading scientists. The official language of the conference will be English. A Doctoral consortium and different Workshops will be held in line with the main conference.



VENUE : Flamenco Hotel - 4* - *Hotel Flamenco offers something rare*

accommodation close to the centre of Budapest yet surrounded by beautiful parkland. This four-star hotel near the so-called "Bottomless Lake" in Budapest's 11th district has its own garage and rooftop car park, although it's also easily accessible by public transport with metro, bus and tram stops a short walk away. Its conference rooms come in various sizes, making it equally suitable for hosting smaller conferences and major events for several hundred people. Flamenco is proud to be an "Evergreen Hotel", a title awarded to the most environmentally friendly establishments.

PAPER SUBMISSION

ADBIS 2018 participants are invited to submit papers as follows:

The organisers of ADBIS 2018 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.

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 must not exceed 14 pages 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 publication of a full paper.

Short papers

ADBIS short research papers must not exceed 8 pages. The best paper authored solely by students will receive an award. Accepted short papers of the main conference will be published in Springer's *Communications in Computer and Information Science* (Springer) series. Accepted workshop papers, doctoral consortium papers are also published in Springer's *Communications in Computer and Information Science* (CCIS) series.

Further publication options

Extended versions of the best papers of the main conference will be invited for submission in special issues of the ISI-indexed journals

Information Systems (<http://www.journals.elsevier.com/information-systems/>) and

Informatica (<http://www.informatica.si/>)

CONFERENCE ORGANIZATION

Steering Committee Chair

Leonid Kalinichenko
Russian Academy of Science, Russia

General Chair

András Benczúr
Eötvös Loránd University, Budapest, Hungary

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Bernhard Thalheim
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Workshops Chairs

Silvia Chiusiano
Politecnico di Torino, Italy
Csaba Sildó

SZTAKI, Budapest, Hungary

Doctoral Consortium Chairs

to be defined later



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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 an accepted paper must register to ADBIS 2018 in order to have the paper published.
- Accepted papers must be presented at the conference by one of the authors.
- ADBIS papers must be submitted via the EasyChair system:
- Authors of accepted papers should follow the Springer guidelines:
ftp://ftp.springernature.com/cs-proceeding/svproc/guidelines/Springer_Guidelines_for_Authors_of_Proceedings.pdf
- ADBIS papers must be submitted via the EasyChair system:
<https://easychair.org/conferences/?conf=adbis2018>

IMPORTANT DATES

March 25, 2018 - Submission of papers
May 20, 2018 - Notification of acceptance
June 10, 2018 - Camera-ready papers

CONTACT

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STEERING COMMITTEE

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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
- 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