



20th East-European Conference on Advances in Databases and Information Systems



August 28 - 31, 2016 • Lindner Hotel Prague Castle • Prague • Czech Republic



CONFERENCE ORGANIZATION

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Petr ŠALOUN, VSB – Technical University of Ostrava, Czech Republic

IMPORTANT DATES

Main Conference Dates

Submission of papers: **March 27, 2016**

Notification of acceptance: **May 15, 2016**

Camera-ready papers: **June 12, 2016**

Conference: **August 29-31, 2016**

Workshop Dates

Submission of workshop proposals: **January 17, 2016**

Notification of acceptance: **January 31, 2016**

Camera-ready workshop papers: **June 12, 2016**

Workshop: **August 28, 2016**

PhD Consortium Dates

Submission of papers: **March 27, 2016**

Notification of acceptance: **May 15, 2016**

Camera-ready papers: **June 12, 2016**

PhD consortium: **August 28, 2016**

CONTACTS

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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 systems research communities from Central and East 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.

In 2016, the ADBIS is commemorating its 20th anniversary. The ADBIS 2016 will be held in Prague, and will continue the tradition by fostering the growth and providing a platform for researchers and practitioners to present their results.

Organizer of the conference is **Charles University, Faculty of Mathematics and Physics**, in co-operation with **Technical University of Ostrava, Faculty of Electrical Engineering and Computer Science**.

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. Doctoral consortium and different Workshops will be held in line with the main conference.

SUBMISSIONS

We 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.

<http://adbis2016.vsb.cz>

TOPICS OF INTERESTS

Database technology

- optimization of databases and information systems
- modern database querying, management, cloud and big data techniques
- data warehouses, scalable systems, controlled redundancy
- data security, privacy, integrity, adaptation
- distributed and federated databases and information system applications
- benchmarking and performance improvement, monitoring

Challenges imposed by novel applications

- big, large-scale, heterogeneous and cloud systems, multimedia data, spatial and temporal data, sensor and observation data, replication management
- data cleansing, condensation, data quality management, data curation
- data analysis, mining, knowledge discovery, OLAP, ETL, information extraction
- databases as infrastructure element, novel platforms
- specific databases, e.g. in social networks, streams
- data science, data as a service, data-intensive sciences

Database and information system foundations

- advanced database and business process modelling

- multi-model development, evolution and migration
- complex data massives, probabilistic and uncertain data
- meta-data, provenance, annotation, contextualisation, archiving, aging
- integrity constraint management, robust constraints

Codesign of databases and business processes

- advanced business process management, data management for heterogeneous and distributed processes
- optimisation of business applications
- view and event management, orchestration of information systems and workflow systems
- process-oriented data management
- networking, integration and coherence management of data, interfaces

Database and information systems analysis, design and development

- maturing analysis, design and development
- advanced modelling techniques, coexistence of semi- and fully structured data
- legacy databases, flexible integration, evolution, and migration
- methodologies for modern information system development

PAPER PUBLISHING

ADBIS accepted research papers will be published in a Springer-Verlag *Lecture Notes in Computer Science* volume. Papers must not exceed 14 pages in the LNCS format. For camera-ready papers use Latex or Word style (find here <http://www.springer.com/computer/lncs?SGWID=0-164-2-793332-0&changeHeader>). 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. ADBIS short research papers must not exceed 8 pages. The best paper authored solely by students will receive an award.

Best Papers of the Main Conference will be invited for submission in Special Issues of ISI-indexed Journals.

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.
- An Author of an accepted paper must register to ADBIS 2016 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: <https://easychair.org/conferences/?conf=adbis2016>.
- Papers must be submitted as a single PDF document

STEERING COMMITTEE

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|----------------------------------|-----------------------------------|------------------------------------|
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A full list of PC members is provided on the conference website: <http://adbis2016.vsb.cz>