



Call for Papers
24th European Conference on
Advances in Databases and Information Systems
ADBIS 2020
August 25-28, 2020, Lyon, France
<http://eric.univ-lyon2.fr/adbis2020/>

Aims and Scope

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 European countries and the rest of the world. **ADBIS 2020** will consist of **regular sessions** with technical contributions reviewed and selected by an international program committee, as well as of invited talks presented by leading scientists. **ADBIS 2020** will be co-located with:

- **24th International Conference on Theory and Practice of Digital Libraries (TPDL 2020)**
- **16th EDA days on Business Intelligence & Big Data (EDA 2020)**
- **Workshops and PhD consortium**

Keynotes

- **Amr El Abbadi** (University of California, USA): **Fault-tolerant distributed systems and databases**
- **Elaine Toms** (University of Sheffield, UK): **Information Innovation and Management**
- **Johann Gamper** (Free University of Bolzen-Bolzano, Italy): **Processing and querying temporal data**
- **Ioana Manolescu** (Inria Saclay--Île-de-France et Ecole Polytechnique, France): **Rich Data Exploration at Cloud Scale**

For more information see: <http://eric.univ-lyon2.fr/adbis-tpdl-eda-2020/keynote-speakers/>

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
- Modelling, mining and querying user-generated content
- Data quality and data cleansing
- Web, XML and semi-structured databases
- Management of data issued from a connected world
- 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 modelling 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

Paper Submission

- The organizers of ADBIS 2020 invite original papers (not submitted in elsewhere in parallel) describing results that broadly belong to both theory and practice of databases and information systems. The aforementioned list of topics is not exhaustive and we welcome novel results addressing topics not included in the list.
- The **page limits** are as follows: (1) full research papers - 14 LNCS style pages, (2) short, workshop, and PhD consortium papers - 10 LNCS style pages.
- Papers must be submitted via **Easy Chair** at: <https://easychair.org/conferences/?conf=adbis2020>

Important Dates

Main conference		Workshops and PhD Consortium	
Paper submission	March 20, 2020	Paper submission	April 4, 2020
Notification of acceptance	May 5, 2020	Notification of acceptance	May 5, 2020
Camera ready due	June 5, 2020	Camera ready due	June 5, 2020

Paper Publishing

Full research papers will be published in the **Springer LNCS** series. Short research papers, workshop papers, and PhD consortium papers will be published in the **Springer CCIS** series.

Journals

The best research papers will be invited to **special issues** of the following journals (already approved):

- **Information Systems**
- **Information Systems Frontiers** with a special focus on topics related to the *Management of data issued from a connected world*

The best workshop papers will be invited to another special issue of a journal (approval pending).

Persons in Charge

Steering Committee Chair	Yannis Manolopoulos: Open University of Cyprus, Cyprus
General Chair	Jérôme Darmont: Université Lyon 2, France
Program Chairs	Boris Novikov: National Research University, Higher School of Economics, Saint Petersburg, Russia Robert Wrembel: Poznan University of Technology, Poland
Proceedings Chairs	Fadila Bentayeb: Université Lyon 2, France Elöd Egyed-Zsigmond: INSA Lyon, France Nadia Kabachi: Université Lyon 1, France
Workshops Chairs	Ladjet Bellatreche: ENSMA Poitiers, France Mária Bieliková: Slovak University of Technology, Slovak Republic Christos Papatheodorou: Ionian University, Greece Guilaine Talens: Université Lyon 3, France
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Journal Special Issue Chair	Ladjet Bellatreche: ENSMA Poitiers, France
Publicity Chair	Selma Khouri: ESI-Alger, Algeria

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