

Call For Papers

28th International Conference on Database and Expert Systems Applications - **DEXA 2017**
Lyon, France
August 28 – 31, 2017

Selected papers will be extended for a possible publication in the Springer journal
Transactions of Large Scale Data and Knowledge Centered Systems (TLDKS).

Database, information, and knowledge systems have always been a core subject of computer science. The ever increasing need to distribute, exchange, and integrate data, information, and knowledge has added further importance to this subject. Advances in the field will help facilitate new avenues of communication, to proliferate interdisciplinary discovery, and to drive innovation and commercial opportunity. Since 1990, DEXA has been an annual international conference which showcases state-of-the-art research activities in database, information, and knowledge systems. DEXA provides a forum to present research results and to examine advanced applications in the field. The conference and its associated workshops offer an opportunity for developers, scientists, and users to extensively discuss requirements, problems, and solutions in database, information, and knowledge systems. DEXA 2017 will be held in Lyon, France, from August 28 - 31, 2017.

Submissions:

DEXA 2017 invites research submissions on all topics related to database, information, and knowledge systems including, but not limited to the points in the list below. We also welcome survey papers, provided that the survey fills a void or goes beyond existing overview papers.

Acquisition, Modeling, Management and Processing of Knowledge
Authenticity, Privacy, Security, and Trust
Availability, Reliability and Fault Tolerance
Big Data Management and Analytics
Consistency, Integrity, Quality of Data
Constraint Modeling and Processing
Cloud Computing and Database-as-a-Service
Database Federation and Integration, Interoperability, Multi-Databases
Data and Information Networks
Data and Information Semantics
Data Integration, Metadata Management, and Interoperability
Data Structures and Data Management Algorithms
Database and Information System Architecture and Performance
Data Streams, and Sensor Data
Data Warehousing
Decision Support Systems and Their Applications
Dependability, Reliability and Fault Tolerance
Digital Libraries, and Multimedia Databases
Distributed, Parallel, P2P, Grid, and Cloud Databases
Graph Databases
Incomplete and Uncertain Data
Information Retrieval
Information and Database Systems and Their Applications
Mobile, Pervasive and Ubiquitous Data

Modeling, Automation and Optimization of Processes
NoSQL and NewSQL Databases
Object, Object-Relational, and Deductive Databases
Provenance of Data and Information
Semantic Web and Ontologies
Social Networks, Social Web, Graph, and Personal Information Management
Statistical and Scientific Databases
Temporal, Spatial, and High Dimensional Databases
Query Processing and Transaction Management
User Interfaces to Databases and Information Systems
Visual Data Analytics, Data Mining, and Knowledge Discovery
WWW and Databases
Workflow Management and Databases
XML and Semi-structured Data
Service Oriented Computing
The uncertain Web and uncertain services
Uncertain and probabilistic databases
Crowdsourcing
Agents and distributed systems
Semantic Web and semantic data management

General Chairpersons:

Abdelkader Hameurlain, IRIT, Paul Sabatier University, Toulouse, France
Amit Sheth, Kno.e.sis - Wright State University, USA
Roland R. Wagner, Johannes Kepler University, Linz, Austria

Conference Program Chairpersons:

Djamal Benslimane, University of Lyon 1, France
Ernesto Damiani, University of Milan, Italy
William I. Grosky, University of Michigan, USA

Publication Chairperson:

Vladimir Marik, Czech Technical University, Czech Republic

Workshop Chairpersons:

A Min Tjoa, Technical University of Vienna, Austria
Roland R. Wagner, Johannes Kepler University, Linz, Austria

IMPORTANT DATES:

Submission of abstracts: March 11, 2017 – extended to March 25
Submission of full papers: March 18, 2017 – extended to March 25
Notification of acceptance: May 17, 2017 – extended to May 24
Camera-ready copies due: June 07, 2017

Paper Submission Details:

Authors are invited to electronically submit original research contributions or experience reports in English.

The submitted manuscript should closely reflect the final paper as it will appear in the Proceedings.

The submitted manuscript must be submitted in pdf in LNCS format (<http://www.springer.de/comp/lncs/authors.html>)

The length of submitted manuscripts should not exceed 15 pages.

Any submission that significantly exceeds length limits or deviates from formatting requirements may be rejected without review.

For paper registration and electronic submission see

<http://confdriver.ifs.tuwien.ac.at/dexa2017> (starting in January 2017)

Submitted papers will be carefully evaluated based on originality, significance, technical soundness, and clarity of exposition.

Duplicate submissions are not allowed. Authors are expected to agree to the following terms:

"I understand that the submission must not overlap substantially with any other paper that I am a co-author of or that is currently submitted elsewhere. Furthermore, previously published papers with any overlap are cited prominently in this submission."

Duplicate submissions will be rejected immediately without review. Questions about this policy or how it applies to your work should be directed to the PC-chairs.

ACCEPTED PAPERS:

All accepted conference papers will be published in a volume of "Lecture Notes in Computer Science" (LNCS) by Springer Verlag. DEXA reserves the right to accept papers only as short papers (up to 8 pages). Short papers describe interesting and innovative ideas which still require further technical development. Authors of all accepted papers must sign a Springer copyright release form. Papers are accepted with the understanding that at least one author will register for the conference to present the paper. Papers without any registered co-author will not be published.

Authors of selected papers presented at the conference will be invited to submit extended versions of their papers for publication in the Springer journal Transactions of Large Scale Data and Knowledge Centered Systems (TLDKS). The submitted extended versions will undergo a further review process.

For further inquiries, please contact the Conference Organisation Office (gabriela@dexa.org)