

# Call for Papers: 23rd International Conference on Database Theory (ICDT 2020)

Copenhagen, Denmark, March-April 2020 (exact dates TBA)

## About ICDT

ICDT is an international conferences series that addresses the principles and theory of data management. Since 2009, it is annually and jointly held with EDBT, the international conference on extending database technology. For general information, see <https://databasetheory.org/icdt-pages>.

## Topics of Interest

Every topic related to the principles of data management is relevant to ICDT. Particularly welcome are contributions that connect data management to theoretical computer science, and those that connect database theory and database practice. Examples of relevant topics include:

- Data mining, information extraction, information retrieval, and machine learning for databases
- Data models, design, structures, semantics, query languages, and algorithms for data management
- Distributed databases, cloud computing
- Databases and knowledge representation
- Graph databases, Web data, and Web services
- Data streams and sketching
- Data-centric process management and workflows
- Data and knowledge integration and exchange, data provenance, views, and data warehouses
- Domain-specific databases (multimedia etc)
- Data privacy, security, recovery

## Reach Out Track

With its Reach Out Track, ICDT strives to broaden its scope, calling for novel formal frameworks and directions for database theory and connections between principles of data management and other communities such as Database Systems, Artificial Intelligence, Knowledge Representation, Machine Learning, Programming Languages, Distributed Computing, and Operating Systems.

## Submission Cycles and Dates

ICDT has two submission cycles:

1st cycle abstract due:	March 27, 2019
Full paper due:	April 3, 2019
Notification:	May 29, 2019
2nd cycle abstract due:	September 15, 2019
Full paper due:	September 23, 2019
Notification:	December 5, 2019

## Program Committee

Marcelo Arenas, Michael Benedikt, Christoph Berkholtz, Angela Bonifati, Pierre Bourhis, James Cheney, Graham Cormode, Victor Dalmau, Claire David, Floris Geerts, Bas Ketsman, Daniel Kifer, Leonid Libkin, Carsten Lutz (chair), Sebastian Maneth, Filip Murlak, Reinhard Pichler, Andreas Pieris, Sebastian Rudolph, Thomas Schwentick, Uri Stemmer, Domagoj Vrgoc and Frank Wolter.

## Submission Instructions

The proceedings will appear in the Leibniz International Proceedings in Informatics (LIPIcs) series, based at Schloss Dagstuhl. This guarantees that the proceedings will be available under the gold open access model, online and free of charge. Submissions will be via EasyChair at <https://easychair.org/conferences/?conf=icdt2020>. Papers must not exceed 15 pages in length (excluding references), both for regular submissions and for the Reach Out Track. For Reachout Track Submissions, it is reasonable to be shorter in length.

## Awards

An award will be given to the Best Paper and to the Best Newcomer Paper where ‘newcomer’ refers to the field of database theory. The latter award will preferentially be given to a paper authored only by students and in that case be called Best Student-Paper Award.

For more details, see <http://www.informatik.uni-bremen.de/~clu/icdt2020cfp.txt>.