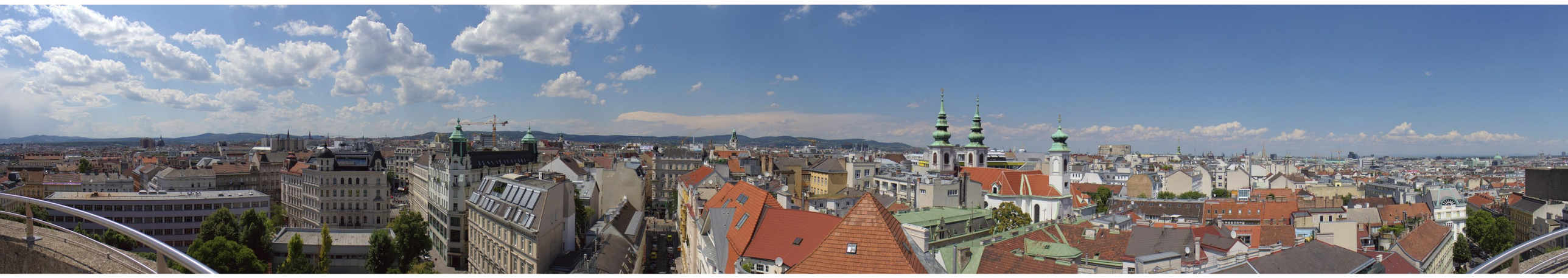
Call for Papers

The 21st International Conference on Database Theory

ICDT 2018

Vienna, Austria
26-29 March 2018

http://icdt2018.technion.ac.il



ICDT is a scientific conference on data management theory, providing an international forum for the communication of research advances in the field. Since 2009, it is annually and jointly held with EDBT.

New Reach-Out Track

Starting in 2018, ICDT will have a Reach-Out track, dedicated to shorter papers that suggest novel important directions for database theory, and especially papers motivated by the interests of neighboring communities.

The RO track of ICDT 2018 is focused on the topic of

"Foundations for Emerging Data Applications"

targeting papers that lay formal foundations of novel data models and/or novel operations/ analyses that are driven by the plethora of data-centric applications in the Big Data era.

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.

Important Dates

1st cycle abstract deadline: **March 18, 2017**
Full paper deadline: **March 25, 2017**
Notification: **May 29, 2017**

2nd cycle abstract deadline: **Sept. 11, 2017**
Full paper deadline: **Sept. 18, 2017**
Notification: **Nov. 27, 2017**

Program Committee

Chair

Benny Kimelfeld (Technion - Israel Institute of Technology)

Members

Antoine Amarilli (Institut Télécom; Télécom ParisTech; CNRS LTCI)
Yael Amsterdamer (Bar Ilan University)
Pablo Barceló (Universidad de Chile)
Keren Censor-Hillel (Technion - Israel Institute of Technology)
Claire David (Universite Paris-Est Marne-la-Vallee)
Martin Grohe (RWTH Aachen)
Aidan Hogan (DCC, Universidad de Chile)
Benny Kimelfeld (Technion - Israel Institute of Technology)
Roman Kontchakov (Birkbeck, University of London)
Ilya Mironov (Google)
Filip Murlak (University of Warsaw)
Jelani Nelson (Harvard)
Matthias Niewerth (Uni Bayreuth)
Rasmus Pagh (IT University of Copenhagen)
Sudeepa Roy (Duke University)
Dan Suciu (University of Washington)
Yufei Tao (University of Queensland)
Jan Van den Bussche (Hasselt University & Transnational University of Limburg)
Stijn Vansummeren (Université Libre de Bruxelles)
Victor Vianu (UC San Diego)
David P. Woodruff (IBM Almaden)

• Data mining • Information extraction • Information retrieval • Database aspects of machine learning •
• Distributed and parallel databases • Cloud computing • Databases and knowledge representation •
• Graph databases • (Semantic) Web data • Web services • Data streams • Sketching • Data provenance •
• Data-centric (business) process management • Workflows • Data and knowledge integration and exchange •
• Views and data warehouses • Domain-specific databases • Deductive databases • Data privacy and security •
• Concurrency and recovery • Data models • Query languages and algorithms for data management •