

Message from the Chairs

The IEEE International Conference on Data Engineering (ICDE) is a premier forum for the exchange and dissemination of data management research results among researchers, practitioners, developers, educators, and users. The 39th ICDE is held this year in Anaheim, California, from April 3 to April 7, 2023. After three years of ICDE being fully virtual due to the pandemic, finally, we will have the conference in-person! The conference, the associated workshops, and other social activities have about 464 in-person participants and about 177 virtual attendees. Since several authors could not travel to Anaheim mostly for visa-related reasons, the conference also includes virtual sessions. These sessions are held late in the night so as not to conflict with events associated with the in-person conference and, furthermore, to make it more convenient for virtual participants most of whom are from the far east.

IEEE ICDE 2023 lives up to its reputation of being a premier database conference with 229 research papers, 19 demos, and 47 industrial papers selected from 748, 50, and 126 submissions, respectively. Each research paper was assigned to three program committee members and one meta reviewer who managed the review/discussion process. For several papers, especially when the reviewers had low familiarity with the topic of the paper or when the need arose, a fourth review was sought. This year out of the 229 papers accepted in the research track, 2 were accepted directly, 210 were accepted after revision, and 17 were accepted after a shepherding phase.

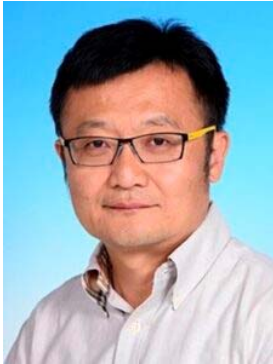
The conference features 7 workshops covering various areas within data management, cross-disciplinary challenges, and applications of database technologies. It features 3 keynote talks by Professors Divy Aggrawal, Elisa Bertino, and Thomas Neumann, 5 tutorials and a Ph.D. symposium. The diversity, equity, and inclusion (DEI) events include a panel on ethics in publishing and a mentoring lunch that enables junior faculty and researchers to interact with senior colleagues on a large number of topics of relevance to establishing a research career. The conference includes an additional panel on how database technology is taught in different parts of the world.

This year, one of the innovative program elements we introduced is a special track targeting papers that would qualify as one of the following categories: vision papers and papers that expand the landscape highlighting novel usage of database technologies including in areas of data science and other novel contexts. One of the main goals of the special track is to provide a venue for early papers highlighting new ideas, new systems, new capabilities, and new approaches to data management that might not yet have matured into deep research results. We collected a special track program committee consisting of mostly senior researchers from our community. The special track attracted over 54 submissions of which 9 were selected for presentation after extensive discussion and deliberation by the committee. These papers will be presented over two plenary sessions at the conference. In addition, ICDE 2023 features a retirement celebration for Professor Mike Carey, who has had a highly impactful career spanning over several decades. Mike will be retiring from UC Irvine at the end of 2023.

We hope you enjoy IEEE ICDE 2023!

March 2023

ICDE 2023 PC Co-Chairs



Prof. Lei Chen
HKUST, Hong Kong



Prof. Stefan Manegold
CWI, Netherlands



Prof. Sharad Mehrotra
UC Irvine, USA

ICDE 2023 General Chair



Prof. Chen Li
UC Irvine, USA