

## Preface

It is our great pleasure to welcome you to DASFAA 2017, the 22nd edition of the International Conference on Database Systems for Advanced Applications (DASFAA), which was held in Suzhou, China, during March 27–30, 2017.

The long history of Suzhou City has left behind many attractive scenic spots and historical sites with beautiful and interesting legends. The elegant classical gardens, the old-fashioned houses and delicate bridges hanging over flowing waters in the drizzling rain, the beautiful lakes with undulating hills in lush green, and the exquisite arts and crafts, among many other attractions, have made Suzhou a renowned historical and cultural city full of eternal and poetic charm. Suzhou is best known for its gardens: the Humble Administrator's Garden, the Lingering Garden, the Surging Wave Pavilion, and the Master of Nets Garden. These gardens weave together the best of traditional Chinese architecture, painting, and arts. Suzhou is also known as the “Venice of the East.” The city is sandwiched between Taihu Lake and Grand Canal. A network of channels, criss-crossed with hump-backed bridges, give Suzhou an image of the city on the water.

We were delighted to offer an exciting technical program, including three keynote talks by Divesh Srivastava (AT&T Research), Christian S. Jensen (Aalborg University), and Victor Chang (Xi'an Jiaotong University and Liverpool University), one 10-year best paper award presentation; a demo session with four demonstrations; two industry sessions with nine paper presentations; three tutorial sessions; and of course a superb set of research papers. This year, we received 300 submissions to the research track, each of which went through a rigorous review process. Specifically, each paper was reviewed by at least three Program Committee (PC) members, followed by a discussion led by the PC co-chairs. Several papers went through a shepherding process. Finally, DASFA 2017 accepted 73 full research papers, yielding an acceptance ratio of 24.3%.

Four workshops were selected by the workshop co-chairs to be held in conjunction with DASFAA 2017. They are the 4th International Workshop on Big Data Management and Service (BDMS 2017), the Second Workshop on Big Data Quality Management (BDQM 2017), the 4th International Workshop on Semantic Computing and Personalization (SeCoP), and the First International Workshop on Data Management and Mining on MOOCs (DMMOOC 2017).

The workshop papers are included in a separate volume of the proceedings also published by Springer in its *Lecture Notes in Computer Science* series.

The conference received generous financial support from Soochow University. The conference organizers also received extensive help and logistic support from the DASFAA Steering Committee and the Conference Management Toolkit Support Team at Microsoft.

We are grateful to the general chairs, Karl Aberer, EPFL, Switzerland, Peter Scheuermann, Northwestern University, USA, and Kai Zheng, Soochow University, China, the members of the Organizing Committee, and many volunteers, for their great support in the conference organization. Special thanks also go to the DASFAA 2017 local Organizing Committee: Zhixu Li and Jiajie Xu, both from Soochow University, China. Finally, we would like to take this opportunity to thank the authors who submitted their papers to the conference and the PC members and external reviewers for their expertise and help in evaluating the submissions.

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