

Message from the General Chair CHASE 2023

It is our great pleasure to welcome you to the eighth edition of the IEEE/ACM International Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE 2023). This is a leading international conference in the field of connected health, an interdisciplinary area with rich research problems and opportunities. CHASE aims to bring together researchers working in the smart and connected health area around the world to exchange ideas and foster collaborations. Its scope covers sensing, communications, and intelligent analytics in support of health-related applications, systems, and engineering technologies. The innovative works published at CHASE will revolutionize preventative health and personalized medicine, providing rich medical information never-before available to individuals while driving down healthcare costs.

This year, IEEE/ACM CHASE 2023 will be held as a part of ACM Federated Computing Research Conference (FCRC 2023), June 16-23, 2023 in Orlando, Florida, together with other 13 top ACM conferences and workshops, including CRA-E'23, CRA-I'23, e-Energy'23, HPDC'23, ICS'23, ISCA'23, IWQoS'23, PADS'23, PLDI'23, PODC'23, SIGMETRICS'23, SPAA'23, and STOC'23. Clearly, since its inception in 2016, CHASE has quickly risen to a premier conference in the field of smart and connected health. This year, IEEE/ACM CHASE 2023 received 103 valid submissions, which is a historically high number. The submitted papers went through a rigorous review process by 40 Technical Program Committee (TPC) members, while 100% of the papers received three or more reviews. Eventually 23 regular papers were accepted, with an acceptance ratio of 22.3%, along with 13 short papers. The main conference program features seven paper sessions with regular and short papers, as well as a poster/demo session with 24 posters and demos. The conference program also offers three keynotes, by Dr. Wendy J. Nilsen, Deputy Division Director, Division of Information and Intelligent Systems, NSF, Dr. Dong Xu with the University of Missouri, and Dr. Chenyang Lu with the Washington University in St. Louis, respectively. They will share their vision and thoughts, as well as their latest work in this area. In addition, an NSF-NIH Aspiring Meeting will be held on Day 1, to provide great opportunities to interact with NSF/NIH program directors and PIs of NSF/NIH funded projects. The Best Paper Award & Runups will be announced on Day 2, and a few selected papers will be invited for fast-track publication at ACM Transactions on Computing for Healthcare (HEALTH).

The excellent three-day program would not be possible without the collaborative efforts of many people behind the scenes. I would like to thank the Steering Committee, chaired by Dr. Weisong Shi and Co-Chaired by Dr. Honggang Wang, for their trust, support, and guidance throughout this journey. I am also grateful to the Program Chairs, Drs. Gang Zhou, Hua Fang, and Wei Gao, and the Posters & Demos Chairs Drs. Amanda Watson and Meiyi Ma, for producing such an exceptional technical program. I would also like to thank the other members of the Organizing Committee for their dedication and efforts, including the Workshop Chairs Drs. Andrea Sciarra and Wenjin Wang, the Panel Chair Dr. Sudip Misra, the Finance Chair Dr. Jiang Li, the Publicity Chairs Drs. Ruidong Li, Xuyu Wang, and Yun Lin, the Publication Chair Dr. Shuangquan Wang, the Student Travel Award Chair Dr. Hua Fang, the Local Arrangement Chairs Drs. Damla Turgut and Shaojie Zhang, and the Web Chairs Drs. Chao Yang and Woosub Jung.

Special thanks to our sponsors, i.e., IEEE Computer Society, ACM SIGBED (Special Interest Group on Embedded Systems), Elsevier, and the NSF. We deeply appreciate the generous student conference grants from the NSF and the Technical Community on the Internet of the IEEE Computer Society (IEEE-CS TCI), which supported 28 students (\$500 each) to participate in this exciting event. We also thank the FRCR'23 staff and student volunteers for their support of the logistics of the conference. Last but not least, we thank all the authors, speakers, reviewers, TPC members, and attendees. Together we make IEEE/ACM CHASE 2023 a great success!

We look forward to meeting you at IEEE/ACM CHASE 2023! We hope that you will enjoy the technical program and the Orlando area.



Shiwen Mao, Auburn University
General Chair, IEEE/ACM CHASE 2023