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Collaborative Computing: Networking, Applications and Worksharing

16th EAI International Conference, CollaborateCom 2020
Shanghai, China, October 16–18, 2020
Proceedings, Part I

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Preface

We are delighted to introduce the proceedings of the 16th European Alliance for Innovation (EAI) International Conference on Collaborative Computing: Networking, Applications and Worksharing (CollaborateCom 2020). This conference brought together researchers, developers and practitioners around the world who are interested in fully realizing the promise of electronic collaboration with special attention to the aspects of networking, technology and systems, user interfaces and interaction paradigms, and interoperation with application-specific components and tools.

The technical program of CollaborateCom 2020 selected 77 papers from 211 paper submissions, comprising 61 full papers, 13 short papers and 3 workshop papers in oral presentation sessions in the main conference tracks. The conference sessions were: Collaborative Applications for Network and E-Commerce; Optimization for Collaborative Systems; Cloud and Edge Computing; Artificial Intelligence; AI Application and Optimization; Edge Computing and CollaborateNet; Classification and Recommendation; Internet of Things; Collaborative Robotics and Autonomous Systems; Resource Management; Smart Transportation; Resource Management in Artificial Intelligence; Short paper Track and Workshop Track. Apart from high-quality technical paper presentations, the technical program also featured two keynote speeches and two technical workshops. The two keynote speeches were delivered by Dr Fumiyuki Adachi from Tohoku University and Dr. Deke Guo from National University of Defense Technology. The two workshops organized were Securing IoT Networks (SITN) and Collaborative Networking Technologies towards Future Networks (CollaborateNet). The SITN workshop aims to bring together expertise from academia and industry to build secure IoT infrastructures for smart society. The CollaborateNet workshop aims to facilitate all efforts to advance current networks towards content-centric future networks using collaborative networking technologies.

Coordination with the steering chair, Imrich Chlamtac, was essential for the success of the conference. We sincerely appreciate his constant support and guidance. It was also a great pleasure to work with such an excellent organizing committee team for their hard work in organizing and supporting the conference, in particular, the Technical Program Committee, led by our General Chairs and TPC Co-Chairs, Dr. Ning Gu, Dr. Jianwei Yin, Dr. Xinheng Wang, Dr. Honghao Gao, Dr. Yuyu Yin and Dr. Muddesar Iqbal, who completed the peer-review process of the technical papers and made a high-quality technical program. We are also grateful to the Conference Manager, Karolina Marcínova, for her support and to all the authors who submitted their papers to the CollaborateCom 2020 conference and workshops.

We strongly believe that the CollaborateCom conference provides a good forum for all researchers, developers and practitioners to discuss all scientific and technical

aspects that are relevant to collaborative computing. We also expect that the future CollaborateCom conferences will be as successful and stimulating, as indicated by the contributions presented in this volume.

December 2020

Honghao Gao
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