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# Communications and Networking

15th EAI International Conference, ChinaCom 2020  
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Proceedings

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# Preface

We are delighted to introduce the proceedings of the 15th European Alliance for Innovation (EAI) International Conference on Communications and Networking in China (ChinaCom 2020). This conference brought together researchers, developers and practitioners around the world who are interested in communications and networking from the viewpoint of big data, cloud, sensor network, software-defined network, and so on.

The technical program of ChinaCom 2020 consisted of 54 papers, including 47 full papers and 7 workshop papers in oral presentation sessions in the main conference tracks. The conference sessions were: Session 1 - Transmission Optimization in Edge Computing; Session 2 - Performance and Scheduling Optimization in Edge Computing; Session 3 - Scheduling and Security in 5G; Session 4 - Mobile Edge Network Systems; Session 5 - Communication Routing and Control; Session 6 - Transmission and Load Balancing; Session 7 - Edge Computing and Distributed Machine Learning; Session 8 - Deep Learning. Apart from high-quality technical paper presentations, the technical program also featured two keynote speeches and one technical workshop. The two keynote speeches were delivered by Prof. Caijun Zhong from Zhejiang University and Prof. Feifei Gao from Tsinghua University. The organized workshop was on Data-Intensive Services-Based Applications (DISA). The aim of DISA was to encourage academic researchers and industry practitioners to present and discuss all methods and technologies related to research and practical experience in a broad spectrum of data-intensive services-based applications.

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, Prof. Jun Yu, Prof. Pingyi Fan, Prof. Jun Wu, Dr. Yi Wang, Dr. Honghao Gao, Prof. Shuiguang Deng, Prof. Xiaoping Xue and Dr. Yuyu Yin, 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, Viltarè Platzner, for her support and to all the authors who submitted their papers to the ChinaCom 2020 conference and workshops.

We strongly believe that the ChinaCom conference provides a good forum for all researchers, developers and practitioners to discuss all scientific and technical aspects that are relevant to communications and networking. We also expect that future

ChinaCom conferences will be as successful and stimulating, as indicated by the contributions presented in this volume.

Honghao Gao  
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