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Artificial Intelligence and Security

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Preface

The 5th International Conference on Artificial Intelligence and Security (ICAIS 2019), formerly called the International Conference on Cloud Computing and Security (ICCCS), was held during July 26–28, 2019, at New York University, New York, USA. Over the past four years, ICAIS has become a leading conference for researchers and engineers to share their latest results from research, development, and applications in the fields of artificial intelligence and information security.

We used the Microsoft Conference Management Toolkits (CMT) system to manage the submission and review processes of ICAIS 2019. We received 1529 submissions from 20 countries and regions, including USA, Canada, UK, Italy, Ireland, Japan, Russia, France, Australia, South Korea, South Africa, India, Iraq, Kazakhstan, Indonesia, Vietnam, Ghana, China, Taiwan, and Macao, etc. The submissions cover the areas of artificial intelligence, big data, cloud computing and security, information hiding, IoT security, multimedia forensics, encryption and cybersecurity, and so on. We thank our Technical Program Committee members and external reviewers for their efforts in reviewing papers and providing valuable comments to the authors. From the total of 1,529 submissions, and based on at least three reviews per submission, the Program Chairs decided to accept 230 papers, yielding an acceptance rate of 15%. The volume of the conference proceedings contains all the regular, poster, and workshop papers.

The conference program was enriched by a series of keynote presentations, and the keynote speakers included: Nasir Memon, New York University, USA; Edward Colbert, Virginia Tech Hume Center for National Security and Technology, USA; Quanyan Zhu, New York University, USA; Zhihua Xia, Nanjing University of Information Science and Technology, China; Tom Masino, TradeWeb, USA; etc. We thank them for their wonderful speeches.

There were 45 workshops organized at ICAIS 2019, covering all the hot topics in artificial intelligence and security. We would like to take this moment to express our sincere appreciation for the contribution of all the workshop chairs and their participants. We would like to extend our sincere thanks to all authors who submitted papers to ICAIS 2019 and to all Program Committee members. It was a truly great experience to work with such talented and hard-working researchers. We also appreciate the external reviewers for assisting the Program Committee members in their particular areas of expertise. Moreover, we want to thank our sponsors: Nanjing University of Information Science and Technology, Springer, New York University, IEEE Broadcast Technology Society (BTS) Nanjing Chapter, ACM China, Michigan State University, Taiwan Cheng Kung University, Taiwan Dong Hwa University, Taiwan Providence University, Nanjing University of Aeronautics and Astronautics, State Key Laboratory of Integrated Services Networks, and the National Nature Science Foundation of China.

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