

Preface

This volume contains the proceedings of IOV 2015, the International Conference on Internet of Vehicles, which was held in Chengdu, China, during December 19–21, 2015.

The Internet of Vehicles (IOV) is emerging as an important part of the smart or intelligent cities being proposed and developed around the world. IOV is a complex integrated network system that interconnects people within and around vehicles, intelligent systems on board vehicles, and various cyber-physical systems in urban environments. IOV goes beyond telematics, vehicle ad hoc networks, and intelligent transportation, by integrating vehicles, sensors, and mobile devices into a global network to enable various services to be delivered to vehicular and transportation systems, and to people on board and around vehicles, using contemporary computing techniques such as swarm intelligent computing, crowd sensing and crowd sourcing, social computing, and cloud computing. IOV 2015 intended to play an important role for researchers and industry practitioners, offering them the chance to exchange information regarding advancements in the state of the art and practice of IOV architectures, protocols, services, and applications; it also aimed to identify emerging research topics and to define the future directions of IOV.

This year, the technical program of IOV 2015 received submissions from 15 countries: China, India, Japan, Korea, New Zealand, Pakistan, Saudi Arabia, Sudan, Taiwan, Tunisia, Uganda, UAE, UK, and USA. All papers submitted underwent a rigorous peer-review process with at least three reviewers, coordinated by the international Program Committee. The Program Committee finally accepted 41 papers for inclusion in the conference program and proceedings. The accepted papers provide research contributions in a wide range of research topics including telematics, wireless communication networks, services and applications, social information systems, swarm intelligence, economics for IOV, modeling and simulation, as well as cloud computing and big data. We believe that this volume not only presents novel and interesting ideas but will also stimulate future research in the area of IOV.

The organization of conferences requires a lot of hard work and dedication from many people. We would like to take this opportunity to thank the numerous individuals whose time and efforts made this conference possible and ensured its high quality. We wish to thank the authors for submitting high-quality papers that contributed to the conference technical program. We wish to express our deepest gratitude to all Program Committee members and external reviewers for their excellent job in the paper review process. Without their help, this program would not be possible. Special thanks go to the entire local Arrangements Committee for their help in making the conference a wonderful success. We take this opportunity to thank all the presenters, session chairs, and participants for their presence at the conference, many of whom traveled long distances to attend this conference and make their valuable contributions. Last but not

least, we would like to express our gratitude to all the organizations that supported our efforts to bring the conference to fruition. We are grateful to Springer for publishing these proceedings.

We hope that you enjoy the IOV 2015 proceedings.

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Sajal Das
Hsiao-Hwa Chen
Athanasios V. Vasilakos
Feng Xia

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