

Preface

This book includes extended and revised versions of a set of selected papers from SMARTGREENS 2015 (4th International Conference on Smart Cities and Green ICT Systems) and VEHITS 2015 (First International Conference on Vehicle Technology and Intelligent Transport Systems), held in Lisbon, Portugal, during May 20–22, 2015, sponsored by the Institute for Systems and Technologies of Information, Control and Communication (INSTICC). The SMARTGREENS and VEHITS conferences were held in cooperation with the Lisbon City Council, INTELI and Lisboa E-Nova, Turismo de Lisboa, and CEIIA. Moreover, SMARTGREENS was also technically co-sponsored by IEEE PES – IEEE Power and Energy Society—and held in cooperation with the Association for Computing Machinery – SIGCAS, IEEE Technical Area in Green Computing, GCC – IEEE Technical SubCommittee on Green Communications and Computing, Friends of the Supergrid, and NESUS – Network for Sustainable Ultrascale Computing.

We hope that this book, which includes topics such as “Smart Cities,” “Energy-Aware Systems and Technologies,” “Sustainable Computing and Communications,” and “Sustainable Transportation and Smart Mobility,” will interest a global audience of engineers, scientists, and business people working in areas related to the research topics of SMARTGREENS and VEHITS.

SMARTGREENS 2015 received 73 paper submissions from all continents. From these, 15 papers were selected and presented as full papers (30’ oral presentation), leading to a full-paper acceptance ratio of about 21 %.

VEHITS 2015 received 27 paper submissions from 17 countries in all continents. From these, three papers were selected and presented as full papers (30’ oral presentation), leading to a full-paper acceptance ratio of about 11 %.

The papers included in this book were selected from those with the best reviews, also taking into account the quality of their presentation at both conferences, as assessed by the session chairs. We hope that you find these papers interesting, and we trust they will represent a helpful reference for all those who need to address any of the aforementioned research areas.

We wish to thank all those who supported and helped to organize both conferences. On behalf of the conference Organizing Committee, we would like to thank the authors, whose work mostly contributed to a very successful conference, and the members of the Program Committee, whose expertise and diligence were instrumental in ensuring the quality of the final contributions. We also wish to thank all the members of the Organizing Committee, whose work and commitment was invaluable. Last but not least, we would like to thank Springer for their collaboration in getting this book to print.

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Smart Cities, Green Technologies, and Intelligent
Transport Systems

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