

# Preface

The EE-LSDS (“Energy Efficiency in Large-Scale Distributed Systems”) conference attracted high-quality contributions in the area of energy-efficient communication, cloud computing, and high-performance computing. The particular originality of the conference is to address large-scale systems. It served as the final event of the COST Action IC0804 ([www.cost804.org](http://www.cost804.org)).

The purpose of the conference was to present some of the results obtained during the course of the COST Action IC0804 as well as external papers. Dedicated to energy efficiency in large-scale distributed system, the COST Action lasted 4 years, from May 2009 to May 2013. With about 150 researchers involved, and more than 40 institutions coming from 27 countries in Europe and beyond, it has been a tremendous open instrument to motivate and build bridges between communities. Hopefully researchers from around the world will find inspirations in all the Joint publications from the Action (more than 75 publications) to date; some of them are in the volume you have in your hand (six are Joint works).

Organized at the University of Vienna, during April 22–24, 2013, the call for papers attracted 31 contributions for all sessions (17 for the full paper session). A thorough review process was conducted by the 41 members of the Technical Program Committee, as well as additional external reviewers, with two to four independent reviews per submission. The Program Committee selected 15 full paper presentations. Additionally, a Work in Progress and a Demo Session were organized, attracting, respectively, seven short papers and three demonstrations for this volume. The program of the conference was augmented by a special session showing results from three selected Short-Term Scientific Missions (collaborative works between partners of the Action) conducted within the Action, and by a society session where the Eco4Cloud company, a spinoff originating from ideas of the Action was presented. Altogether, about 70 participants were registered at the conference.

In this volume, the papers are organized among different sections, reflecting the diversity of the topics addressed and the richness of the discussions held at the conference: Modeling and monitoring of power consumption (six contributions), distributed, mobile, and cloud computing (six contributions), HPC computing (four contributions), wired and wireless networking (seven contributions), and standardization issues (two contributions).

The final result would not have been possible without the invaluable contribution of a number of colleagues. We would like to acknowledge the great

work of the local organizer Helmut Hlavacs, from the University of Vienna. We also express our gratitude to members of the Technical Program Committee and all external reviewers, for their competence and dedication. Finally, our most sincere thanks to all authors, who ultimately made the conference a successful and stimulating event.

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