# Foreword

The 2012 IEEE Colloquium in Information Science and Technology (CIST) is part of the IEEE CONFERENCE SERIES that are held in Morocco, and is sponsored by the IEEE Morocco Section and the IEEE Morocco Computer & Communication Joint Chapter. The 2012 edition was co-organized by the Faculty of Sciences Dhar Mahraz, the Faculty of Technical Sciences of Fez and the University of Sidi Mohamed Ben Abdellah.

IEEE CIST is emerging as a key annual event that aims to serve as a forum to promote the exchange of the latest advances achieved by IT researchers, IT decision makers, IT managers, application designers and software engineers in the domain of information science and related technology. Computing challenges, models, applications and IT solutions are discussed from the perspectives of academia, industry and government.

IEEE CIST also provide a platform for supporting innovative and original contributions. We would like to extend our most sincere thanks and gratitude to the academic and industrial keynote speakers of CIST'12 for their important added value to this edition and to the Scientific Committee Members who helped us in the review process. We would like also to express our thanks to the IEEE Computer Society for their support through their Distinguished Lecturers Programs. We are also very glad to express our most sincere gratitude to the editors of the IJCSIS, Pedro Isaias and Marcin Paprzycki, for accepting the publication of a special issue that contains the extended versions of the most ranked papers presented at the 2012 CIST conference.

The Editorial Board

Mohammed El Mohajir, Faculty of sciences, University of Sidi Mohamed Ben Abdellah, Fez, Morocco
Ahlame Begdouri, Faculty of technical sciences, University of Sidi Mohamed Ben Abdellah, Fez, Morocco
Badreddine El Mohajir, Faculty of sciences, Univeristy of Abdelmalek Essaadi, Tetuan, Morocco
Arsalane Zarghili, Faculty of technical sciences, University of Sidi Mohamed Ben Abdellah, Fez, Morocco