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Availability, Reliability, and Security in Information Systems

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Preface

The Cross-Domain Conference and Workshop CD-ARES is focused on the holistic and scientific view of applications in the domain of information systems.

The idea of organizing cross-domain scientific events originated from a concept presented by the IFIP president Leon Strous at the IFIP 2010 World Computer Congress in Brisbane, which was seconded by many IFIP delegates in further discussions. Therefore CD-ARES concentrates on the many aspects of information systems in bridging the gap between the research results in computer science and the many application fields.

This effort led us to consider the various important issues of massive information sharing and data integration that will (in our opinion) dominate scientific work and discussions in the area of information systems in the second decade of this century.

The organizers of this event who are engaged within IFIP in the area of Enterprise Information Systems (WG 8.9), Business Information Systems (WG 8.4), and Information Technology Applications (TC 5) very much welcomed the typical cross-domain aspect of this event.

Out of 27 submissions, we assembled a program for CD-ARES 2014 consisting of 10 papers. CD-ARES 2014 provided a good mix of topics ranging from knowledge management and software security to mobile and social computing.

The collocation with the SeCIHD 2014 Workshop was another possibility to discuss the most essential application factors. Due to its great success and echo in the scientific community, this special track was held this year for the fourth time.

The main goal of SeCIHD 2014 was to collect and discuss new ideas and solutions for homeland defense.

To handle the complex research challenges of homeland defense, it is necessary to adopt a "multi-disciplinary" approach, which is the core spirit of CD-ARES 2014. This year, SeCIHD 2014 comprised 14 papers, which introduce the latest technologies of homeland defense including security issues and protocols for Internet services, anomaly detection, cryptographic models, security and privacy in ambient intelligence and so forth.

The papers presented at this conference were selected after extensive reviews by the Program Committee with the essential help of associated reviewers.

We would like to thank all the Program Committee members and the reviewers who made great effort contributing their time, knowledge, and expertise and foremost the authors for their contributions.

September 2014

Stephanie Teufel
A. Min Tjoa
Ilsun You
Edgar Weippl

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