

CLOUD COMPUTING 2013

Foreword

The Fourth International Conference on Cloud Computing, GRIDs, and Virtualization (CLOUD COMPUTING 2013), held between May 27 and June 1, 2013 in Valencia, Spain, continued a series of events intended to prospect the applications supported by the new paradigm and validate the techniques and the mechanisms. A complementary target was to identify the open issues and the challenges to fix them, especially on security, privacy, and inter- and intra-clouds protocols.

Cloud computing is a normal evolution of distributed computing combined with Service-oriented architecture, leveraging most of the GRID features and Virtualization merits. The technology foundations for cloud computing led to a new approach of reusing what was achieved in GRID computing with support from virtualization.

We take here the opportunity to warmly thank all the members of the CLOUD COMPUTING 2013 Technical Program Committee, as well as the numerous reviewers. The creation of such a broad and high quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated much of their time and efforts to contribute to CLOUD COMPUTING 2013. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

Also, this event could not have been a reality without the support of many individuals, organizations, and sponsors. We are grateful to the members of the CLOUD COMPUTING 2013 organizing committee for their help in handling the logistics and for their work to make this professional meeting a success.

We hope that CLOUD COMPUTING 2013 was a successful international forum for the exchange of ideas and results between academia and industry and for the promotion of progress in the areas of cloud computing, GRIDs and virtualization.

We are convinced that the participants found the event useful and communications very open. We hope that Valencia, Spain provided a pleasant environment during the conference and everyone saved some time to explore this historic city.

CLOUD COMPUTING 2013 Chairs:

CLOUD COMPUTING General Chair

Maria Dolores Cano Banos, Polytechnic University of Cartagena, Spain

CLOUD COMPUTING Advisory Chairs

Jaime Lloret Mauri, Polytechnic University of Valencia, Spain
Wolf Zimmermann, Martin-Luther University Halle-Wittenberg, Germany
Yong Woo Lee, University of Seoul, Korea
Alain April, École de Technologie Supérieure - Montreal, Canada

CLOUD COMPUTING 2013 Industry/Research Chairs

Wolfgang Gentzsch, Senior HPC Consultant, Germany
Tony Shan, Keane Inc., USA
Donglin Xia, Microsoft Corporation, USA

CLOUD COMPUTING 2013 Research Institutes Chairs

Jorge Ejarque, Barcelona Supercomputing Center, Spain
Leslie Liu, IBM T.J Watson Research, USA

COULD COMPUTING 2013 Special Area Chairs

Virtualization

Toan Nguyen, INRIA, France

GRID

Jorge Ejarque, Barcelona Supercomputing Center, Spain
Javier Diaz, Indiana University, USA

Autonomic computing

Ivan Rodero, Rutgers the State University of New Jersey/NSF Center for Autonomic Computing, USA
Hong Zhu, Oxford Brookes University, UK

Service-oriented

Qi Yu, Rochester Institute of Technology, USA

Security

Chih-Cheng Hung, Southern Polytechnic State University - Marietta, USA

Platforms

Arden Agopyan, IBM Central & Eastern Europe, Russia, Middle East & Africa (CEE & MEA), Turkey
Dariusz Król, Academic Computer Center CYFRONET - Cracow, Poland