

# CLOUD COMPUTING 2016

## Forward

The Seventh International Conference on Cloud Computing, GRIDs, and Virtualization (CLOUD COMPUTING 2016), held between March 20-24, 2016 in Rome, Italy, continued a series of events targeted 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.

The conference had the following tracks:

- Cloud computing
- Computing in virtualization-based environments
- Platforms, infrastructures and applications
- Challenging features

Similar to the previous edition, this event attracted excellent contributions and active participation from all over the world. We were very pleased to receive top quality contributions.

We take here the opportunity to warmly thank all the members of the CLOUD COMPUTING 2016 technical program committee, as well as the numerous reviewers. The creation of such a high quality conference program would not have been possible without their involvement. We also kindly thank all the authors that dedicated much of their time and effort to contribute to CLOUD COMPUTING 2016. 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 also gratefully thank the members of the CLOUD COMPUTING 2016 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope that CLOUD COMPUTING 2016 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the area of cloud computing, GRIDs and virtualization. We also hope that Rome provided a pleasant

environment during the conference and everyone saved some time for exploring this beautiful city.

### **CLOUD COMPUTING 2016 Chairs**

#### **CLOUD COMPUTING 2016 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  
Christoph Reich, Furtwangen University, Germany

#### **CLOUD COMPUTING 2016 Industry/Research Chairs**

Wolfgang Gentzsch, The UberCloud, Germany  
Tony Shan, Keane Inc., USA  
Anna Schwanengel, Siemens AG, Germany  
Atsuji Sekiguchi, Fujitsu Laboratories Ltd., Japan

#### **COULD COMPUTING 2016 Special Area Chairs**

##### **Security**

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

##### **GRID**

Jorge Ejarque, Barcelona Supercomputing Center, Spain  
Javier Diaz-Montes, Rutgers University, USA  
Nam Beng Tan, Nanyang Polytechnic, Singapore

##### **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

##### **Platforms**

Arden Agopyan, ClouadArena, Turkey