

# **CLOUD COMPUTING 2016**

## **Committee**

### **CLOUD COMPUTING Advisory Committee**

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 Gentsch, 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, CloudArena, Turkey

### **CLOUD COMPUTING 2016 Technical Program Committee**

Jemal Abawajy, Deakin University - Victoria, Australia  
Imad Abbadi, University of Oxford, UK  
Taher M. Ali, Gulf University for Science & Technology, Kuwait

Abdulelah Alwabel, University of Southampton, UK  
Alain April, École de Technologie Supérieure - Montreal, Canada  
Alvaro E. Arenas, Instituto de Empresa Business School, Spain  
José Enrique Armendáriz-Iñigo, Public University of Navarre, Spain  
Irina Astrova, Tallinn University of Technology, Estonia  
Benjamin Aziz, University of Portsmouth, UK  
Xiaoying Bai, Tsinghua University, China  
Panagiotis Bamidis, Aristotle University of Thessaloniki, Greece  
Ali Kashif Bashir, Osaka University, Japan  
Luis Eduardo Bautista Villalpando, Autonomous University of Aguascalientes, Mexico  
Carlos Becker Westphall, Federal University of Santa Catarina, Brazil  
Ali Beklen, CloudArena, Turkey  
Elhadj Benkhelifa, Staffordshire University, UK  
Andreas Berl, Deggendorf Institute of Technology, Germany  
Simona Bernardi, Centro Universitario de la Defensa / Academia General Militar - Zaragoza, Spain  
Nik Bessis, University of Derby, UK  
Peter Charles Bloodsworth, National University of Sciences and Technology (NUST), Pakistan  
Alexander Bolotov, University of Westminster, UK  
Sara Bouchenak, University of Grenoble I, France  
William Buchanan, Edinburgh Napier University, UK  
Ali R. Butt, Virginia Tech, USA  
James Byrne, Dublin City University, Ireland  
Massimo Cafaro, University of Salento, Italy  
Mustafa Canim, IBM Thomas J. Watson Research Center, USA  
Massimo Canonico, University of Piemonte Orientale, Italy  
Paolo Campegiani, University of Rome Tor Vergata, Italy  
Juan-Vicente Capella-Hernández, Universitat Politècnica de València, Spain  
Carmen Carrión Espinosa, Universidad de Castilla-La Mancha, Spain  
Simon Caton, Karlsruhe Institute of Technology, Germany  
K. Chandrasekaran, National Institute of Technology Karnataka, India  
Hsi-Ya Chang, National Center for High-Performance Computing (NCHC), Taiwan  
Rong N Chang, IBM T.J. Watson Research Center, USA  
Ruay-Shiung Chang, National Taipei University of Business, Taiwan  
Kyle Chard, University of Chicago and Argonne National Laboratory, USA  
Antonin Chazalet, IT&Labs, France  
Shiping Chen, CSIRO ICT Centre, Australia  
Ye Chen, Microsoft Corp., USA  
Yixin Chen, Washington University in St. Louis, USA  
Zhixiong Chen, Mercy College - NY, USA  
William Cheng-Chung Chu(朱正忠), Tunghai University, Taiwan  
Yeh-Ching Chung, National Tsing Hua University, Taiwan  
Marcello Coppola, ST Microelectronics, France  
Antonio Corradi, Università di Bologna, Italy  
Marcelo Corrales, University of Hanover, Germany  
Fabio M. Costa, Universidade Federal de Goiás (UFG), Brazil  
Sérgio A. A. de Freitas, Univerity of Brasilia, Brazil  
Anderson Santana de Oliveira, SAP Labs, France  
Noel De Palma, University Joseph Fourier, France

César A. F. De Rose, Catholic University of Rio Grande Sul (PUCRS), Brazil  
Eliezer Dekel, IBM Research - Haifa, Israel  
Yuri Demchenko, University of Amsterdam, The Netherlands  
Nirmit Desai, IBM T J Watson Research Center, USA  
Edna Dias Canedo, Universidade de Brasília - UnB Gama, Brazil  
Javier Diaz-Montes, Rutgers University, USA  
Zhihui Du, Tsinghua University, China  
Qiang Duan, Pennsylvania State University, USA  
Robert Anderson Duncan, University of Aberdeen, UK  
Jorge Ejarque Artigas , Barcelona Supercomputing Center, Spain  
Kaoutar El Maghraoui, IBM T. J. Watson Research Center, USA  
Atilla Elçi, Suleyman Demirel University - Isparta, Turkey  
Khalil El-Khatib, University of Ontario Institute of Technology - Oshawa, Canada  
Mohamed Eltoweissy, Virginia Military Institute and Virginia Tech, USA  
Javier Fabra, University of Zaragoza, Spain  
Fairouz Fakhfakh, University of Sfax , Tunisia  
Hamid Mohammadi Fard, University of Innsbruck, Austria  
Reza Farivar, University of Illinois at Urbana-Champaign, USA  
Umar Farooq, Amazon.com - Seattle, USA  
Maria Beatriz Felgar de Toledo, University of Campinas, Brazil  
Luca Ferretti, University of Modena and Reggio Emilia, Italy  
Luca Foschini, Università degli Studi di Bologna, Italy  
Sören Frey, Daimler TSS GmbH, Germany  
Song Fu, University of North Texas - Denton, USA  
Martin Gaedke, Technische Universität Chemnitz, Germany  
Wolfgang Gentzsch, The UberCloud, Germany  
Michael Gerhards, FH-AACHEN - University of Applied Sciences, Germany  
Lee Gillam, University of Surrey, UK  
Katja Gilly, Miguel Hernandez University, Spain  
Spyridon V. Gogouvitis, Siemens AG, Germany  
Abraham Gomez, École de technologie supérieure (ÉTS), Montreal, Canada  
Andres Gomez, Applications and Projects Department Manager Fundación CESGA, Spain  
Andrzej M. Goscinski, Deakin University, Australia  
Nils Grushka, NEC Laboratories Europe - Heidelberg, Germany  
Jordi Guitart, Universitat Politècnica de Catalunya - Barcelona Supercomputing Center, Spain  
Marjan Gusev, "Ss. Cyril and Methodius" University of Skopje, Macedonia  
Yi-Ke Guo, Imperial College London, UK  
Marjan Gushev, Univ. Sts Cyril and Methodius, Macedonia  
Thomas J. Hacker, Purdue University, USA  
Rui Han, Institute of Computing Technology - Chinese Academy of Sciences, China  
Weili Han, Fudan University, China  
Haiwu He, INRIA, France  
Sergio Hernández, University of Zaragoza, Spain  
Neil Chue Hong, University of Edinburgh, UK  
Pao-Ann Hsiung, National Chung Cheng University, Taiwan  
Lei Huang, Prairie View A&M University, USA  
Chih-Cheng Hung, Southern Polytechnic State University - Marietta, USA  
Richard Hill, University of Derby, UK

Uwe Hohenstein, Siemens AG, Germany  
Luigi Lo Iacono, Cologne University of Applied Sciences, Germany  
Shadi Ibrahim, INRIA Rennes - Bretagne Atlantique Research Center, France  
Yoshiro Imai, Kagawa University, Japan  
Anca Daniela Ionita, University "Politehnica" of Bucharest, Romania  
Xuxian Jiang, North Carolina State University, USA  
Eugene John, The University of Texas at San Antonio, USA  
Carlos Juiz, Universitat de les Illes Balears, Spain  
Verena Kantere, University of Geneva, Switzerland  
Bill Karakostas, VLTN gcv, Antwerp, Belgium  
Sokratis K. Katsikas, University of Piraeus, Greece  
Takis Katsoulakos, INLECOM Systems, UK  
Zaheer Khan, University of the West of England, UK  
Prashant Khanna, JK Lakshmipat University, Jaipur, India  
Shinji Kikuchi, Fujitsu Laboratories Ltd., Japan  
Peter Kilpatrick, Queen's University Belfast, UK  
Tan Kok Kiong, National University of Singapore, Singapore  
William Knottenbelt, Imperial College London - South Kensington Campus, UK  
Sinan Kockara, University of Central Arkansas, USA  
Joanna Kolodziej, University of Bielsko-Biala, Poland  
Kenji Kono, Keio University, Japan  
Dimitri Konstantas, University of Geneva, Switzerland  
Arne Koschel, Hochschule Hannover, Germany  
George Kousiouris, National Technical University of Athens, Greece  
Sotiris Koussouris, National Technical University of Athens, Greece  
Kenichi Kourai, Kyushu Institute of Technology, Japan  
Nane Kratzke, Lübeck University of Applied Sciences, Germany  
Heinz Kredel, Universität Mannheim, Germany  
Hans Günther Kruse, Universität Mannheim, Germany  
Yu Kuang, University of Nevada Las Vegas, USA  
Alex Kuo, University of Victoria, Canada  
Tobias Kurze, Karlsruher Institut für Technologie (KIT), Germany  
Dharmender Singh Kushwaha, Motilal Nehru National Institute of Technology - Allahabad, India  
Dimosthenis Kyriazis, University of Piraeus, Greece  
Giuseppe La Torre, University of Catania, Italy  
Romain Laborde, University Paul Sabatier, France  
Petros Lampsas, Central Greece University of Applied Sciences, Greece  
Erwin Laure, KTH, Sweden  
Alexander Lazovik, University of Groningen, The Netherlands  
Craig Lee, The Aerospace Corporation, USA  
Yong Woo Lee, University of Seoul, Korea  
Grace Lewis, CMU Software Engineering Institute - Pittsburgh, USA  
Jianxin Li, Beihang University, China  
Kuan-Ching Li, Providence University, Taiwan  
Maozhen Li, Brunel University - Uxbridge, UK  
Dan Lin, Missouri University of Science and Technology, USA  
Wei-Ming Lin, University of Texas at San Antonio, USA  
Panos Linos, Butler University, USA

Xiaoqing (Frank) Liu, Missouri University of Science and Technology, USA  
Xiaodong Liu, Edinburgh Napier University, UK  
Xumin Liu, Rochester Institute of Technology, USA  
Thomas Loruenser, AIT Austrian Institute of Technology GmbH, Austria  
H. Karen Lu, CISSP/Gemalto, Inc., USA  
Glenn R Luecke, Iowa State University, USA  
Mon-Yen Luo, National Kaohsiung University of Applied Sciences, Taiwan  
Ilias Maglogiannis, University of Central Greece - Lamia, Greece  
Rabi N. Mahapatra, Texas A&M University, USA  
Shikharesh Majumdar, Carleton University, Canada  
Olivier Markowitch, Universite Libre de Bruxelles, Belgium  
Ming Mao, University of Virginia, USA  
Attila Csaba Marosi, MTA SZTAKI Computer and Automation Research Institute/Hungarian Academy of Sciences - Budapest, Hungary  
Keith Martin, University of London Egham Hill, UK  
Gregorio Martinez, University of Murcia, Spain  
Goran Martinovic, J.J. Strossmayer University of Osijek, Croatia  
Philippe Massonet, CETIC, Belgium  
Michael Maurer, Vienna University of Technology, Austria  
Per Håkon Meland, SINTEF ICT, Norway  
Jean-Marc Menaud, Mines Nantes, France  
Andreas Menychtas, National Technical University of Athens, Greece  
Jose Merseguer, Universidad de Zaragoza, Spain  
Shigeru Miyake, Hitachi Ltd., Japan  
Mohamed Mohamed, IBM US Almaden, USA  
Owen Molloy, National University of Ireland – Galway, Ireland  
Patrice Moreaux, LISTIC/Polytech Annecy-Chambéry, Université Savoie Mont Blanc, France  
Paolo Mori, Istituto di Informatica e Telematica (IIT) - Consiglio Nazionale delle Ricerche (CNR), Italy  
Claude Moulin, Technology University of Compiègne, France  
Francesc D. Muñoz-Escóí, Universitat Politècnica de València, Spain  
Masayuki Murata, Osaka University, Japan  
Hidemoto Nakada, National Institute of Advanced Industrial Science and Technology (AIST), Japan  
Rich Neill, Cablevision Systems, USA  
Surya Nepal, CSIRO ICT Centre, Australia  
Rodrigo Neves Calheiros, University of Melbourne, Australia  
Toan Nguyen, INRIA, France  
Bogdan Nicolae, IBM Research, Ireland  
Aida Omerovic, SINTEF, Norway  
Ammar Oulamara, University of Lorraine, France  
Alexander Paar, TWT GmbH Science and Innovation, Germany  
Claus Pahl, Dublin City University, Ireland  
Brajendra Panda, University of Arkansas, USA  
Massimo Paolucci, DOCOMO Labs, Italy  
Alexander Papaspyrou, Technische Universität Dortmund, Germany  
Valerio Pascucci, University of Utah, USA  
David Paul, University of New England, Australia  
Al-Sakib Khan Pathan, International Islamic University Malaysia (IIUM), Malaysia  
Siani Pearson, Hewlett-Packard Laboratories, USA

Antonio J. Peña, Barcelona Supercomputing Center, Spain  
Giovanna Petrone, University of Torino, Italy  
Sabri Pllana, University of Vienna, Austria  
Agostino Poggi, Università degli Studi di Parma, Italy  
Jari Porras, Lappeenranta University of Technology, Finland  
Thomas E. Potok, Oak Ridge National Laboratory, USA  
Francesco Quaglia, Sapienza Univesita' di Roma, Italy  
Xinyu Que, IBM T.J. Watson Researcher Center, USA  
Manuel Ramos Cabrer, University of Vigo, Spain  
Rajendra K. Raj, Rochester Institute of Technology, USA  
Danda B. Rawat, Georgia Southern University, USA  
Christoph Reich, Hochschule Furtwangen University, Germany  
Dolores Rexachs, University Autonoma of Barcelona (UAB), Spain  
Sebastian Rieger, University of Applied Sciences Fulda, Germany  
Sashko Ristov, "Ss. Cyril and Methodius" University of Skopje, Macedonia  
Norbert Ritter, University of Hamburg, Germany  
Ivan Rodero, Rutgers University, USA  
Daniel A. Rodríguez Silva, Galician Research and Development Center in Advanced Telecommunications" (GRADIANT), Spain  
Paolo Romano, Instituto Superior Técnico/INESC-ID Lisbon, Portugal  
Thomas Rüksamen, Furtwangen University, Germany  
Hadi Salimi, Iran University of Science and Technology - Tehran, Iran  
Altino Sampaio, Instituto Politécnico do Porto, Portugal  
Iñigo San Aniceto Orbegozo, Universidad Complutense de Madrid, Spain  
Elena Sanchez Nielsen, Universidad de La Laguna, Spain  
Volker Sander, FH Aachen University of Applied Sciences, Germany  
Gregor Schiele, Digital Enterprise Research Institute (DERI) at the National University of Ireland, Galway (NUIG), Ireland  
Michael Schumacher-Debril, Institut Informatique de Gestion - HES-SO, Switzerland  
Wael Sellami, Faculty of Economic Sciences and Management of Sfax, Tunisia  
Hermes Senger, Federal University of Sao Carlos, Brazil  
Larry Weidong Shi, University of Houston, USA  
Alan Sill, Texas Tech University, USA  
Fernando Silva Parreiras, FUMEC University, Brazil  
Luca Silvestri, University of Rome "Tor Vergata", Italy  
Alex Sim, Lawrence Berkeley National Laboratory, USA  
Luca Spalazzi, Università Politecnica delle Marche - Ancona, Italy  
George Spanoudakis, City University London, UK  
Rizou Stamatia, Singular Logic S.A., Greece  
Marco Aurelio Stelmar Netto, IBM Research, Brazil  
Hung-Min Sun, National Tsing Hua University, Taiwan  
Yasuyuki Tahara, University of Electro-Communications, Japan  
Domenico Talia, DIMES - Unical, Italy  
Jie Tao, Steinbuch Centre for Computing/Karlsruhe Institute of Technology (KIT), Germany  
Joe M. Tekli, Lebanese American University, Lebanon  
Orazio Tomarchio, University of Catania, Italy  
Stefano Travelli, Entaksi Solutions Srl, Italy  
Parimala Thulasiraman, University of Manitoba, Canada

Ruppa Thulasiram, University of Manitoba, Canada  
Raul Valin, Swansea University, UK  
Carlo Vallati, University of Pisa, Italy  
Geoffroy R. Vallee, Oak Ridge National Laboratory, USA  
Luis Miguel Vaquero-Gonzalez, Hewlett-Packard Labs Bristol, UK  
Michael Vassilakopoulos, University of Thessaly, Greece  
Jose Luis Vazquez-Poletti, Universidad Complutense de Madrid, Spain  
Luís Veiga, Instituto Superior Técnico - ULisboa / INESC-ID Lisboa, Portugal  
Salvatore Venticinquè, Second University of Naples - Aversa, Italy  
Mario Jose Villamizar Cano, Universidad de los Andes - Bogotá, Colombia  
Salvatore Vitabile, University of Palermo, Italy  
Bruno Volckaert, Ghent University - iMinds, Belgium  
Lizhe Wang, Center for Earth Observation & Digital Earth - Chinese Academy of Sciences, China  
Zhi Wang, Florida State University, USA  
Mandy Weißbach, University of Halle, Germany  
Philipp Wieder, Gesellschaft fuer wissenschaftliche Datenverarbeitung mbH - Goettingen (GWDG), Germany  
John Williams, Massachusetts Institute of Technology, USA  
Peter Wong, SDL Fredhopper, Netherlands  
Christos Xenakis, University of Piraeus, Greece  
Hiroshi Yamada, Tokyo University of Agriculture and Technology, Japan  
Chao-Tung Yang, Tunghai University, Taiwan R.O.C.  
Hongji Yang, De Montfort University (DMU) - Leicester, UK  
Yanjiang Yang, Institute for Infocomm Research, Singapore  
Ustun Yildiz, University of California, USA  
Qi Yu, Rochester Institute of Technology, USA  
Jong P. Yoon, Mercy College - Dobbs Ferry, USA  
Jie Yu, National University of Defense Technology (NUDT), China  
Ze Yu, University of Florida, USA  
Massimo Villari, University of Messina, Italy  
Vadim Zaliva, Tristero Consulting / Carnegie Mellon University (CMU), USA  
José Luis Zechinelli Martini, Fundación Universidad de las Américas, Puebla (UDLAP), Mexico  
Baokang Zhao, National University of Defence Technology, China  
Xinghui Zhao, Washington State University Vancouver, Canada  
Zibin Zheng, Sun Yat-sen University, China  
Jingyu Zhou, Shanghai Jiao Tong University, China  
Hong Zhu, Oxford Brookes University, UK  
Wolf Zimmermann, University of Halle, Germany