About the Contributors

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**Keerthana Boloor** received her MS and PhD in Computer Engineering from North Carolina State University, USA in 2009 and 2012, respectively. She is a two-time recipient of IBM PhD Fellowship for the years 2010-2011 and 2011-2012. Keerthana is currently a Software Engineer at Google, New York. Before this, she was an Advisory Software Engineer with the Watson Technologies Group at IBM Research, Yorktown Heights, NY. Her research interests include distributed computing, service-oriented architectures, and everything cloud.

**Luciana Cardoso** concluded her MS degree in Biomedical Engineering – Medical Informatics at University of Minho in 2013. During that year, she developed a Biomedical Multi-Agent Platform for Interoperability. This platform and its implementation in a real environment were the main subjects of her Master Thesis. She has been publishing in several areas related to Medical Informatics, more specifically, Ambient Intelligence and the usability of Electronic Health Record. Her current research focuses on the interoperability in Hospital Information Systems through multi-agent systems.

**Ali Chehab** received his Bachelor degree in EE from the American University of Beirut (AUB) in 1987, the Master’s degree in EE from Syracuse University, and the PhD degree in ECE from the University of North Carolina at Charlotte, in 2002. From 1989 to 1998, he was a lecturer in the ECE Department at AUB. He rejoined the ECE Department at AUB as an assistant professor in 2002 and became an associate professor in 2008. His research interests are VLSI Testing and Information Security and Trust.

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**Rahul Ghosh** is an Advisory Software Engineer at IBM, USA. He received his MS and PhD in Electrical and Computer Engineering from Duke University, USA in 2009 and 2012, respectively. Prior to this, he received his BE in Electronics and Telecommunication Engineering from Jadavpur University, India in 2007. Rahul’s research interests include stochastic processes, queuing systems, Markov chains, performance and dependability analysis of large-scale computer systems. During his PhD, Rahul also worked as a research intern at IBM T.J. Watson Research Center. His PhD thesis research was focused on developing scalable analytic models for Cloud services. Rahul is a co-author of more than 20 peer-reviewed conference and journal papers and has filed 3 US patents with his co-inventors.

**Piero Giacomelli** owns a degree in Mathematics from the University of Padua. He has worked in many different industrial sectors, such as aerospace, ISP, textile, and plastic manufacturing, and e-health association, both as a software developer and as an IT manager. He has also been involved in many EU research-funded projects in FP7 EU programs, such as CHRONIOUS, I-DONT-FALL, FEARLESS, and CHROMED. In recent years, he has published some papers on scientific journals and has been awarded two best paper awards by the International Academy, Research, and Industry Association (IARIA). He published *HornetQ Messaging Developer’s Guide* and *Apache Mahout Cookbook* with Packt Publishing.

**Li Guo** is Lecturer at the School of Computing, Engineering, and Computer Science at the University of Central Lancashire. He has PhD from the University of Edinburgh (2007) and has worked as research associate at Imperial College London. His research interests are in Cloud Computing, distributed sensor informatics, big data analysis, and intelligent multi-agent systems, and has more than 40 peer-reviewed publications in these areas. He has contributed to many EPSRC and EU research projects and was the chief architect of the Imperial College Cloud (IC Cloud) system currently in use in a wide variety of Digital Economy projects, and was also chief architect for EU FP6 project-GridEcon providing computational facilities for data analysis services from a variety of sources and devices.

**Yike Guo** has been working in the area of data intensive analytical computing since 1995. During last 15 years, he has been leading the data mining group to carry out many research projects, including UK e-science projects, such as Discovery Net on Grid based data analysis for scientific discovery, MESSAGE on wireless mobile sensor network for environment monitoring, BAIR on system biology for diabetes study, iHealth on modern informatics infrastructure for healthcare decision making, UBIOPRED on large informatics platform for translational medicine research, Digital City Exchange on sensor information-based urban dynamics modelling. He was the Principal Investigator of the Discovery Science Platform grant from UK EPSRC, where he is leading the team to build the IC Cloud system for large-scale collaborative scientific research. He is now the Principal Investigator of the eTRIKS project, a 23M Euro project in building a Cloud-based translational informatics platform for global medical research.

**Benoit Hudzia** is a Distributed System Researcher and Cloud/System Architect currently working on designing the next-generation Cloud technology for Stratoscale. Benoit has authored more than 20 academic publications and also is the holder of numerous patents in the domain of virtualization, OS, Cloud, distributed systems, etc. His code and ideas are included in various SAP commercial solutions as well as Open source solutions such as Qemu/KVM Hypervisor, Linux Kernel, Openstack. His research currently focus on bringing together the flexibility of virtualization, Cloud, and high-performance com-
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puting. This framework aims at providing memory, I/O, and CPU resource disaggregation of physical server while enabling dynamic management and aggregation capabilities to Linux native application as well as to Linux/KVM VMs using commodity hardware.

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Christine Kottaridi is biologist, has a PhD in Applied Microbiology-Virology: “Molecular Detection and Study of the Evolution of Echo Viruses,” and a MSc in “Biology Applications in Medicine” with Master thesis “The Role of Single and Multiple HPV Infections in Cervical Cancer.” Her Postdoctoral Research in Diagnostic Cytopathology Laboratory, University of Athens, Medical School involves: a) study and evaluation of methods necessary to the prognosis of a successive vaccination against HPV 28/11/2008–31/12/2010 Ministry of Health; b) hospital-based surveillance of Rotavirus Gastroenteritis in children younger than 5 years old 20/02/2009–30/10/2010 GlaxoSmithKlein Hellas S.A.; c) a decision support system based on advanced clinical theranostics protocols for the cost-effective, personalised management of HPV-related diseases, 2013-2015, SYNERGASIA-2011, http://www.hpvguard.org. She has 30 published papers in peer-reviewed journals. Her research interests are focused to evaluation of experimental protocols concerning molecular and cellular mechanisms of pathogen emergence, public health, virus evolution, epidemiology, and surveillance.

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