About the Contributors

Anastasius Mountzoglou is a Former Executive Board Member of the European Society for Quality in Health Care, President of the Hellenic Society for Quality & Safety in Health Care, holds a BA in Economics, MA in Health Services Management, MA in Macroeconomics, and a PhD in Economics. He teaches the module of quality at the graduate and postgraduate level. He has also written three Greek books, which are the only ones in the Greek references. The first deals with “Marketing in Health Care,” the following with “Quality in Health Care,” and the third with “Quality and Patient Safety in Health Care.” He has edited the books *E-Health Systems Quality and Reliability: Models and Standards* and *E-Health Technologies & Improving Patient Safety: Exploring Organizational Factors*. He is also the Editor-in-Chief of the *International Journal of Reliable & Quality in Healthcare* (IJRQEH). He has served as the scientific coordinator in research programs in Greece and participated as a researcher in European research programs. He has been declared a “Person of Quality,” with respect to Greece, for 2004.

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António Abelha is an Auxiliary Professor of the Department of Informatics of the University of Minho, in Braga, Portugal. He got his PhD in Informatics, in 2004, and he is a researcher of the Computer Science and Technology Center (in Portuguese CCTC). His research interests span the domain of Biomedical Informatics, Databases, and Artificial Intelligence. He is the author of more than 100 papers in international books, journals, and conference proceedings.

Jalel Akaichi received his PhD in Computer Science from the University of Sciences and Technologies of Lille (France) and then his Habilitation degree from the University of Tunis (Tunisia), where he is currently an Associate Professor in the Computer Science Department. Jalel Akaichi has published in
international journals and conferences, and has served on the program committees of several international conferences and journals. He is currently the Chair of the Master Science in Business Intelligence. Jalel Akaichi visited and taught in many institutions such as the State University of New York, Worcester Polytechnic Institute, INSA-Lyon, University of Blaise Pascal, University of Lille 1, etc.

Stavros Archondakis (MD, PhD) is a certified Pathologist, Director of Cytopathology Department of 401 Athens Army Hospital. He graduated from Thessaloniki Medical School and National Military Medical School in 1996. Since 2007, he has been assessor of the Hellenic Accreditation System (ESYD) for the accreditation of medical laboratories according to ISO 15189:2012. He speaks English and French. He is member of Hellenic Society of Clinical Cytopathology, Society of Medical Studies, and Society for Quality Management in the Health Sector. He is the author of 29 medical books, some of them awarded by the Greek Anticancer Society. He has participated with posters and oral presentations in more than 200 congresses and seminars. He has authored more than 25 articles in Greek and foreign medical journals. He possesses more than 800 hours of teaching experience in medical and paramedical schools.

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.

Roma Chauhan is Assistant Professor in the Department of Information Technology at IILM Graduate School of Management, Greater Noida, India. She, before joining academics and research, had comprehensive experience with IT corporate giants as a software developer and consultant. She has conducted IT training programs for faculty, staff, and students at her institute. She is active in professional service, serving conference program committees, organizing workshops, and industry engagements. Her areas of interest includes information retrieval, data mining, knowledge management, and Semantic Web. She is Indian national who is amicable to international culture and practices. She is an innovative self-starter, who rarely needs supervision, and she enjoys learning new things from diverse cultural and social settings.
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-
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.

**Wassim Itani** was born in Beirut, Lebanon in 1978. He received his BE in Electrical Engineering, with distinction, from Beirut Arab University (BAU) in 2001 and his ME in Computer and Communications Engineering from the American University of Beirut (AUB) in 2003. Currently, he is a Research Associate in the Department of Electrical and Computer Engineering at AUB and an Assistant Professor at BAU. Wassim’s research interests include wireless and body sensor networks security and privacy, Cloud Computing trust and security protocols, and cryptographic protocols performance evaluation.

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**Efrossyni Karakitsou** is within the School of Applied Mathematical and Physical Sciences of the National Technical University of Athens, and with the Biomedical Engineering Laboratory of the same university. She is experienced in information and data processing as well as in software development for the creation of support systems related to cytopathology practice. She has contributed three chapters in honorary books, and numerous publications in international and national conferences as well as in scientific journals. Her research interests include bioinformatics technologies, information and data processing for knowledge discovery, neural networks, genetic algorithms, and distributed computing systems.

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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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