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Ajith Abraham received Ph.D. degree from Monash University, Australia. He works as a Professor under the South Korean Government's Institute of Information Technology Advancement (IITA) program. His primary research interests are in computational intelligence with an application focus including network security, Web services, Web intelligence, multi criteria decision-making, data mining etc. He has authored/co-authored over 300 research publications in peer reviewed reputed journals, book chapters and conference proceedings of which five have won 'best paper' awards. He has given several plenary talks and conference tutorials. He is the editor-in-chief / co-editor in chief of three international scientific journals and also serves the editorial board of several reputed International journals. He has guest edited 21 special issues for International scientific journals. Since 2001, he is actively involved in the Hybrid Intelligent Systems (HIS) and the Intelligent Systems Design and Applications (ISDA) series of International conferences. He is the General Co-chair of the First Asia Modeling Symposium, Phuket, Thailand; Third International Symposium on Information Assurance and Security (IAS'07), Manchester, UK; Seventh International Conference on Intelligent Systems Design and Applications (ISDA'07), Brazil; and the Program Chair/Co-Chair of the First European International Conference on Data Mining (EICDM'07), Lisbon; Second International Conference on Digital Information Management (ICDIM'07), France; Third International Conference on Next Generation Web Services Practices (NWeSP'07), Seoul; and The Seventh International Conference on Hybrid Intelligent Systems (HIS'07), Germany. Shawkat K. Guirguis is a professor of Computer Science and Informatics at Institute of Graduate Studies & Research (IGSR), Alexandria University, Egypt. 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He also participated in teaching in the Arab Academy for Science and Technology (AAST) for seventeen successive years and has been a member in Alexandria Institute of Technology (AIT) since its establishment. He also acted as the Quality Assurance Manager for eight years at EEAA/EIMP in the project funded by DANIDA for air quality monitoring in Alexandria and Delta regions. He participated in the development of the courses curricula of graduate studies in Alexandria University. Alok Mishra is Associate Professor of Computer and Software Engineering at Atilim University, Ankara Turkey. He had his Ph.D. in Computer Science (Software Engineering) besides dual Masters in Computer Science & Applications and Human Resource Management. His areas of interest and research are software engineering, information system, information & knowledge management and object oriented analysis & design. He had extensive experience of distance and online education related to computers and management courses. He has published articles, book chapters and book-reviews related to software engineering and information system in refereed journals, books and conferences including International Journal of Information Management, Government Information Quarterly, IET-Software, Behaviour and Information Technology, Public Personnel Management, European Journal of Engineering Education, International Journal of Information Technology and Management. Shereef Abu Al Maati received his B.S. degree in Computer Science from the American University, Washington DC in 1984, and the M.S. as well as the PhD degree in Computer Science from the Florida Institute of Technology, Melbourne, Florida, in 1987 & 1998 respectively. Since 2004 Shereef joined the newly established American University of Kuwait, jointly affiliated with Dartmouth College New Hampshire, as an assistant professor of Computer Science and is currently the Chair of the Computer Science, Information Systems and the Sciences Division. In 2006 Shereef and a group of senior executive leaders jointly collaborated and held a week long colloquium with the JF Kennedy School of Government at Harvard University, on major challenges for educational reform in the state of Kuwait. Prior to joining AUK Shereef was an Assistant professor in computer science at the State University of West Georgia from 2000-2004, followed by a summer visiting professor in 2004 at John Hopkins University. Prior to joining academia in 2000, Shereef worked in industry for several years, as researcher at the Kuwait Institute for Scientific research, were in 1998-2000, Shereef was the Principle Investigator for designing and developing a distributed thin client, real time internet based financial trading system prototype for the Kuwait Stock Exchange (KSE). Prior to that he worked as a Software Engineer working jointly with IBM, Martin Marietta and the US Navy on a large on-

line management Information System for the Kuwait Air Force, "Kuwait Operational Readiness System"; one system among a family of other subsystem for the Air Force. Prior to that Shereef interned at the National Institute of Health, in Bethesda Maryland. Shereef’ has published numerous papers in the broad area of Software Engineering as well as Computer Science Education. Abdel-Badeh M Salem He is a professor of Computer Science and Vice Dean of Faculty of Computer and Information Sciences at Ain Shams University, Cairo-Egypt, from 1996 to present. He was a professor of Computer Science at Faculty of Science, Ain Shams University from 1989 to 1996. He was a Director of Scientific Computing Center at Ain Shams University (1984-1990). His research includes intelligent computing, expert systems, medical informatics, and intelligent e-learning technologies. He has published around 170 papers in refereed journals and conference proceedings in these areas. He has been involved in more than 120 conferences and workshops as an Int. Program Committee and Session Chair. He is author and co-author of 15 Books in English and Arabic Languages. He was one of the founders of the following events, First Egyptian Workshop on Expert Systems 1987, Int. Cairo Conference on Artificial Intelligence Applications in 1992 and Int. Conf. on Intelligent Computing and Information Systems 2002, and one of the main sustainers of annual Int. Romanian Internet Learning Workshop Project (RILW), 1997. In addition he was Secretary of Egyptian Computer Society (1984-1990), Member of National Committee in Informatics – Academy of Scientific Research and Technology (1992-200), Member of Egyptian Committee in the Inter-Governmental Informatics Program, IIP-UNISCO, Paris (1988-1990) and Coordinator of the Annual International Conference for Statistics, Scientific Computing, and Social and Demographic Research (1983-1990). In addition he was a partner of a MEDCAMPUS Projects on Methodologies and Technologies for Distance Education in Mediterranean (1993-1995) He is a Member of the Editorial Board of the following Journals: Int. Journal of Computing and Information Sciences(IJCIS), Canada; Egyptian Computer Science Journal, EC Newsletter, Education in Computing and Computers in Education, Italy; Scientific Journal of Studia Universitatis Babes-Bolyai, Series Informatica, Cluj – Napoca, Romania; International Journal of intelligent computing in medical sciences and image processing (IC-MED), Japan; Egyptian Journal for Specialized Studies, Faculty of Specific Education, Ain Shams University, Egypt; Int. Journal of Intelligent Computing & Information Science”, IJCIS, Egypt; Enformatika Transactions on Engineering, Computing and Technology, World Enformatika Society, Turkey; and Int. Journal of Soft Computing Approaches (IJSCA), Eurojournals. He is a Membership of Int. Scientific Societies: American Association of Artificial Intelligence (AAAI), USA; British Computer Society, Expert Systems Specialist Group (SGES), Int. Neural Network Society (INNS), USA; Association for the Advancement of Computing Education (AACE), USA; Int. Society for Computers and their Applications ((ISCA), NC, USA, Dec. 95); Int. Society for Telemedicine & eHealth ISTeH,, Switzerland; Member of Int. Federation for Information Processing (IFIP) Technical Committee WG 12.5, Knowledge-Oriented Development of Applications, Austria (2000 till now), Member of Int. Association for Science and Technology for Development (IASTED), TC on AI and Expert Systems, Int. Association for Science and Technology for Development, Canada, (2000 till now). Adel Ali Al-Jumaily is a senior lecture in Computer, ICT and software systems under Mechatronics and Intelligent Systems, Faculty of Engineering, University of Technology Sydney, Australia. 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In intelligent autonomous systems side, he developed an algorithm for multi-agent system that performs exploration and target seeking autonomously that used bidding scheme that was applied to obtain assistance and cooperation between the agents, and a novel algorithm base of behaviours and distributed intelligence to achieving of static and dynamic goals completion through agent negotiation had developed in other work. In health applications, he proposed a new concept using multi agent for estimation of cardiovascular parameters, a new model to estimate mean blood pressure by heart rate with stroke volume changing influence, algorithm for continuous measurement of oxygen saturation level using photoplethysmography (PPG) signal, modified algorithm of practical swarm optimization (PSO) based stroke volume influence on mean arterial pressure, and blood pressure estimation by particle swarm optimization (PSO). He is developing a new approach for data mining and software model behaviour for myoelectric control of prosthetic devices for rehabilitation. He worked in developing algorithms for human localizations based on soft computing. His research has been recognized through my publications and through invitations as a visiting scholar in School of Information Technologies at University of Sydney for the last two years. Dr. Al-Jumaily has appointed as a visiting scholar in School of Computer Science and Engineering at the University of New South Wales, and Biomedical Computing Research Group at Coventry University (U.K.) in 2005. He is serving as Editor board member of International Journal of Advanced Robotic Systems. He has been invited to serve as a chairman of session at four international conferences, served as member of organizing committee of three Conferences, and as member of technical program committee and reviewer at four international conferences. He served as reviewer for many Journal articles in the field and many international conferences. Adel is a member of Australian Research Council Centre of Excellence in Autonomous Systems (CAS). Moataz Ahmed is currently the Chief Technology Officer, LEROS Technologies Corporation, and its subsidiary, SONEX Enterprises, Inc., Fairfax, Virginia. He has been the principal investigator and the architect for the SONEX’s government projects related to the R&D of intelligent agent technology for the next generation C3I systems; the continuous early system validation environment, the independent/integrated system assurance software tool suite, and NASA lessons learned process integration. He is also responsible for providing direction of the process, methodology, and technology adopted for the development of LEROS' proprietary reuse technological infrastructure and commercial products; Dr. Ahmed has been serving as a university professor in a number of institutes in the US as well as overseas to include George Mason University, King

Fahd University of Petroleum & Minerals, and the Arab Academy for Science and Technology. He is currently involved in a joint research project with the University of Milan too. His teaching interests include Artificial Intelligence and Software Engineering. He worked as a software architect in several software houses. His research interests include soft computing based software engineering especially software testing, software reuse, and cost estimation; software metrics and quality models; and case-based reasoning and experience reuse within the context of decision making. He has supervised a number of theses and published a number of technical papers in refereed journals and conferences in these areas. Dr. Ahmed has been a referee for a number of technical journals and conferences. He served as a guest editor of the Information Sciences Journal in more than one occasion. Dr. Ahmed is a member of a number of professional associations. He was classified as Outstanding Researcher by the US INS.

MAGDY ABOUL-ELA is a professor of computer science at Sadat Academy for Management Sciences from March 2007 to present, and was an associate professor from 2000 to 2007, and an assistant professor from 1995-2000. He was also a Scientist at IBM ‐ Bergen Scientific Center, Norway, from 1991-1994, and IBM ‐ Kuwait Scientific Center from 1988-1990. He has many years of consulting and software development experience. Prof. Aboul-Ela received an MS and a Ph.D. in Computer Science and Information from Cairo University, and his research fields were Intelligent Systems. Aboul-Ela has applied research experience in Artificial Intelligence fields concerned with knowledge based Systems, Natural Language Processing, eLearning & Intelligent Tutoring System, Intelligent Problem Solving, Information Extraction, Semantic Web, Neural Networks, and Multi-Agents Systems. Aboul-Ela designed and developed for IBM a Grammar Writing Language (GWL) for Arabic language, OO Model for Air Pollution Monitoring System, Environmental Data Catalogue, and Expert System for Art History. In addition, he has done for other organizations a Geo-Technical Expert System (GES), a Statutory Reasoning System for Environment Law, and an Intelligent Tutoring System for Algebra. Athina Lazakidou currently works at the University of Piraeus, Greece as a teaching assistant, and at the Hellenic Army Academy & Hellenic Naval Academy, Greece as a visiting lecturer in informatics. Prior to that, she worked as a visiting lecturer at the Department of Computer Science at the University of Cyprus (2000-2002). She did her undergraduate studies at the Athens University of Economics and Business (Greece) and received her BSc in Computer Science in 1996. In 2000, she received her Ph.D. in Medical Informatics from the Department of Medical Informatics, University Hospital Benjamin Franklin at the Free University of Berlin, Germany. She is also an internationally known expert in the field of computer applications in healthcare and biomedicine, with six books and numerous papers to her credit. She was also Editor of the “Handbook of Research on Informatics in Healthcare and Biomedicine” and the “Handbook of Research on Distributed Medical Informatics and E-Health”. Her research interests include health informatics, e-Learning in medicine, software engineering, graphical user interfaces, (bio)medical databases, clinical decision support systems, analysis and design of hospital and clinical information systems, electronic medical record systems, telematics, and other applications in medicine. Candela Leonardo is a researcher at Networked Multimedia Information Systems (NMIS) Laboratory of the Institute of Information Science and Technologies - Italian National Research Council (ISTI - CNR). He graduated in Computer Science in 2001 at University of Pisa and completed a Ph.D. in Information Engineering in 2006 at University of Pisa. In 2001 he joined the NMIS Laboratory and was involved in the CYCLADES (<http://www.ercim.org/cyclades>) and Open Archives Forum (www.oaforum.org) projects. He is currently involved in the DILIGENT (<http://www.diligentproject.org>) and DRIVER (<http://www.driver-repository.eu>) projects and he is an active member of the DELOS (<http://www.delos.info>) working group on the Digital Library Reference Model (<http://www.delos.info/ReferenceModel>). He is member of the OAI-ORE (<http://www.openarchives.org/ore/>) Liaison Group. His research interests include Digital Library [Management] Systems and Architectures, Digital Libraries Models, Distributed Information Retrieval, and Grid Computing.

CHERIF Adnen was born in Tunis at October 1st, 1963. He obtained his Engineering diploma in 1987 his Master degree in 1990 and his PHD in 1996 in Electrical and informatics Engineering speciality. Actually he is a professor at the Science Faculty of Tunis, the responsible of the master study degrees. Besides he is the director of a research laboratory and leads more than 12 doctorate thesis & 13 Masters. He is the author or the co-author of more than 15 \ publications in international journals and more than 55 papers in international congress and conferences. He was a scientific member and a reviewer of several international journals and congress. Finally he participated in several cooperation projects (MEDCAMPUS, FICU, CMCU, AUF....) Ching-Hsien Hsu received the B.S. and Ph.D. degrees in Computer Science from Tung Hai University and Feng Chia University, Taiwan, in 1995 and 1999, respectively. He is currently a faculty of the department of Computer Science and Information Engineering at Chung Hua University, Taiwan. His research interests include Parallel and distributed computing, Cloud / grid computing, P2P computing, Pervasive computing, Services computing, RFID and smart homes. Dr. Hsu has published more than 130 referred papers in journals, books and conference proceedings. He is serving in a number of journal editorial boards, including International Journal of Communication Systems, International Journal of Computational Science, International Journal of Grid and High Performance Computing, International Journal of Smart Home and International Journal of Multimedia and Ubiquitous Engineering, etc. He has edited more than 25 international journal special issues as a guest editor, such as IEEE Transactions on Services Computing, Future Generation Computer Systems, Journal of Supercomputing, Concurrency and Computation: Practice and Experience, The Knowledge Engineering Review, Internet Research, Information System Frontiers, etc. Dr. Hsu has directed and participated in many research/development projects funded by National Science Council, Ministry of Education, National Center for High Performance Computing and Chung Hua University. Under the funds of National Science Council, he organized the 1st / 2nd Russia-Taiwan Symposium on Methods and Tools and Parallel Programming Multi-computers as one of founders in 2007 and 2010, respectively. Based on the Intelligent Systems and Smart Home vision, he founded the annually International Workshop on Intelligent Systems and Smart Homes (WISH), 2007 in Canada, 2008 in Australia and 2009 in Taiwan. He has severed many

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Cornelia Boldyreff have over 25 years experience in Software Engineering and have been a Professor of Software Engineering at Lincoln since January 2004 where I lead the Distributed Software Engineering group. My own research spans both distributed systems and software engineering. My recent research has been focused on collaborative software development within the Framework 5GEneralised eNvironment for procEsS management in cooperative Software Engineering (GENESIS) project and the EPSRC Collaborative Determination, Elaboration and Evolution of Design Spaces (CoDEEDS), on collaborative learning via the Grid within the LeGE-WG project, and on system evolution within the Web Site Evolution project. My group developed the Open Source Component Artefact Respository within GENESIS and developed support for collaborative design teams within CoDEEDS. We are currently partners in the FP6 CALIBRE project where we have been responsible for developing and running the CWE (CALIBRE Work Environment). For further details, see my personal web pages. Cooper Kendra received her Ph.D. in Electrical and Computer Engineering in 2001 from The University of British Columbia and has over 70 peer reviewed publications in journals, conferences, symposia, and workshops. She has worked in the early phases of the software development lifecycle for over 10 years in industrial and academic settings. In industry, Dr. Cooper worked on defining and maintaining the requirements and architecture for a variety of complex, large-scale systems including a project management, air traffic control, and the core network for a wireless GPRS system. Her research interests center on investigating re-use and modularization techniques, including component based, aspect-oriented, and product line engineering, with a focus on the requirements engineering and software architecture. She has served on over 40 program committees and is a member of two editorial boards for journals. Heung Seok Chae received the BS degree in nuclear engineering from Seoul National University in 1994, the MS and PhD degrees in computer science from Korea Advanced Institute of Science and Technology (KAIST) in 1996 and 2000, respectively. He worked as a senior consultant for the TongYang Systems between 2000 and 2002. During the year of 2003, he was as a visiting professor in the Department of Computer Science at KAIST. Since 2004, he has been on the faculty of the Department of Computer Engineering, Pusan National University, Busan, Korea. Current research interests include: object-oriented analysis and design; object-oriented frameworks; component-based software development; software architecture; software metrics/measurement; software testing, software maintenance. Member of Program Committee for COMPSAC 2003, APAQS(Asia-Pacific Conference on Quality Software) 2001, APSEC 2004/2005, ISFST 2004

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Matjaz B. Juric holds a Ph.D. in computer and information science and is an Associate Professor at the University of Maribor. Matjaz has authored or co-authored the following books: Best Practices for SOA-based Integration and Composite Applications Development, Business Process Execution Language for Web Services (Packt Publishing), J2EE Design Patterns Applied, Professional J2EE EAI, and Professional EJB (Wrox Press, part of Wiley Publishing), and has published a chapter in More Java Gems (Cambridge University Press) and Technology Supporting Business Solutions (Nova Science Publishers). He has published in journals and magazines, such as Web Services Journal, eai Journal, Java Developer's Journal, Java Report, Java World, ACM journals, Elsevier Journals, and presented at conferences such as OOPSLA, XML Europe, Oracle Open World, SIGS Java Development, BEA Forums, Wrox Conferences, SCI, and others. He has had several invited talks on conferences and events, such as IBM SOA Executive Event 2006, SIOUG 2006, etc. His bibliography has more than 300 entries. Matjaz has been involved in several large-scale IT projects. In cooperation with the IBM Java Technology Centre, he worked on performance analysis and optimization in RMI-IIOP development, an integral part of the Java 2 Platform. He is a member of the BPEL Advisory Board. He is consultant for several large companies, including telco providers, power distribution companies, etc. Matjaz is also the head of Science Park of University of Maribor.

Aamer Nadeem is an Assistant Professor in the Department of Computer Science at Mohammad Ali Jinnah University, Islamabad, Pakistan. His research interests include software reliability, model and specification based software testing, software fault tolerance, safety-critical systems and formal methods. He has published 25+ papers in refereed journals and conference proceedings in the areas of software testing, fault-tolerance, and formal methods. He has also served as program committee member of several international workshops and conferences. Dr. Nadeem earned his PhD in computer science from Mohammad Ali Jinnah University, Islamabad, MS in software engineering from National University of Science and Technology (Pakistan), and MSc in computer science from Quaid-i-Azam University, Islamabad. He has 20 years of research and industrial experience.

Eyas El-Qawasmeh received his B.Sc. degree in Computer Science in 1985 from Yarmouk University, Jordan. He then joined the Yarmouk University as teaching assistant in the Computer Science Department. In 1992, he joined the George Washington University, Washington, D.C., USA where he obtained his MS and Ph.D. degrees in Software and Systems in 1994 and 1997, respectively. In 2001, he joined George Washington University, USA as visiting researcher through a Fulbright Commission grant. In 2001, he won Hijjawi research prize for Computer Science (best computer

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