About the Contributors

Ghazi Alkhatib is an assistant professor of software engineering at the College of Computer Science and Information Technology, Applied Science University (Amman, Jordan). In 1984, he obtained his Doctor of Business Administration from Mississippi State University in information systems with minors in computer science and accounting. Since then, he has been engaged in teaching, consulting, training, and research in the area of computer information systems in the US and gulf countries. In addition to his research interests in databases and systems analysis and design, he has published several articles and presented many papers in regional and international conferences on software processes, knowledge management, e-business, Web services, and agent software, workflow, and portal/grid computing integration with Web services.

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David W. Aha supervises the Adaptive Systems Section (Code 5514) within NRL’s Navy Center for Applied Research in Artificial Intelligence. His projects, whose foci vary from automated maritime threat analysis to goal formulation in continuous planning environments, involve the development of decision aids for DoD and other sponsors. His research interests include case-based reasoning, mixed-initiative reasoning, machine learning (i.e., collective classification), and related topics. He founded the UCI Repository of Machine Learning Databases, and has received three Best Paper awards. David has (co-)organized 18 international events, (co-)edited three special journal issues on AI topics, serves on the editorial boards for three journals and annually on several conference PCs., and was a AAAI Councilor.

Daniela Andrei is an assistant professor at the Faculty of Psychology and Education Sciences, Babes-Bolyai University, Cluj-Napoca, Romania. She is a licensed psychologist and holds a Master degree in Human Resources Management and Marketing. She has participated in several international training programs in the field of human-computer interaction and interaction design and recently became involved in COST Action IC0904 on the Integration of Trans-sectorial IT Design and Evaluation. Her current research focuses on integrating the use social sciences methods in interactive systems design, implementation of interactive systems in organizations, compatibility between interactive systems’ design and organizational culture.

Sikha Bagui is an Associate Professor in the Department of Computer Science at the University of West Florida, Pensacola, Florida. She has authored several books on database and SQL, and her areas of research are database and database design, data mining, pattern recognition, and statistical computing.
Michele Brocco received his bachelor and master degree in computer science from the Technische Universität Muenchen (TUM), Germany in 2005 and 2007 respectively. In his master thesis he designed and implemented the context-aware gas station recommender system described in this paper. Since 2007, he is a doctoral researcher at the chair for Applied Informatics / Cooperative Systems at TUM. At present time he is working on projects concerned with the design and development of intelligent IT-support systems tailored for Open Innovation processes funded by the German Ministry of Research and Education (BMBF). These support systems include for example trend spotting services and services to improve awareness in terms of fame and reputation as well as skill management and creativity support systems. His current research focus is on the analysis and development of algorithmic team composition and team recommendation approaches within large-scale communities such as networks of innovators or large enterprises.

Michael Decker studied industrial engineering with focus on computer science and operations research at the University of Karlsruhe (TH) in Germany. Directly after receiving his diploma he joined the research group “Mobile Business” at the Institute of Applied Informatics and Formal Description Methods (AIFB) at this University’s faculty for economics. Meanwhile, the University of Karlsruhe became part of the Karlsruhe Institute of Technology (KIT). The research group concentrates on specific problems for small and medium-sized enterprises (SME) when employing mobile technologies, e.g., when developing mobile applications for customers or for the support of internal business processes. Another focus of research is the employment of tamper-resistant smartcards to tackle mobile-specific security issues. Mr. Decker’s main research topic is the modeling of access control policies which are process-aware and regard the user’s current location. From January till August 2010 Mr. Decker also stayed as guest researcher at the “School of Software” at the “Beijing Institute of Technology” (BIT) in China.

Robert Eigner graduated from Technische Universität Muenchen (TUM) with a diploma in computer science and then started working as a research assistant at the chair for Applied Informatics / Cooperative Systems (Prof. Dr. J. Schlichter). Together with other German universities and major car manufacturers, he was engaged in the national research project Networks-on-Wheels where he focused on mobile context-aware applications based on car-to-car-networking. The project aimed at specifying and standardising a communication system for transmission of sensor data and further information (e.g. hazard warnings) between vehicles based on standard WLAN technologies, which was demonstrated in a reference implementation. Based on the work in this project, he pursued his research on context-modeling in vehicular ad-hoc networks using semantic web technologies; a field, in which he (co-)authored several papers and for which he finally received his PhD degree from TUM in 2010.

Christoph Fuchß is founder and CEO of Virtimo Webbased Applications, a company that offers consulting services in the field of business process management (BPM), application integration and mobile networks. He holds a master degree in Information Science from the University of Potsdam and studied IT at the universities of Paderborn, Berlin and Potsdam. Beside the scientific research commitment within his company towards BPM and collaboration, he published several articles on mobile ad-hoc messaging in international journals. Before entering the field of BPM consulting he worked as a research engineer on telemedicine at the academic medical center of Charité Berlin. In this position he was engaged in research on mobile network communication and developed the theoretical background of AMNETs.
E. George Dharma Prakash Raj received his M.Sc, MPhil and PhD degrees in Computer Science from Bharathidasan University in 1990, 1998 and 2008 respectively. He is currently working as a Lecturer in the Department of Computer Science, Bharathidasan University, Tiruchirapalli, India. He has published several research papers in various International/National Journals and Conference proceedings. His main Research Interest is in Computer Networking, with an emphasis on Quality of Service Routing and Congestion Control. He is in the Editorial Board of various International Journals. He is also a Full time member of Indian Association of Research in Computing Science (IARCS) of Tata Institute of Fundamental Research Mumbai.

Ali Ghorbani has held a variety of positions in academia for the past 29 years including heading up project and research groups and as department chair, director of computing services, director of extended learning and as assistant dean. He received his PhD and Master’s in Computer Science from the University of New Brunswick, and the George Washington University, Washington D.C., USA, respectively. Dr. Ghorbani currently serves as Dean of the Faculty of Computer Science. He holds UNB Research Scholar position. His current research focus is Web Intelligence, Network & Information Security, Complex Adaptive Systems, and Critical Infrastructure Protection. He authored more than 220 reports and research papers in journals and conference proceedings and has edited 8 volumes. He served as General Chair and Program Chair/co-Chair for 7 International Conferences, and organized over 10 International Workshops. Dr. Ghorbani is the founding Director of Information Security Centre of Excellence at UNB. He is also the coordinator of the Privacy, Security and Trust (PST) network at UNB. Dr. Ghorbani is the co-Editor-In-Chief of Computational Intelligence, an international journal, and associate editor of the International Journal of Information Technology and Web Engineering and the ISC journal of Information Security.

Kalyan Moy Gupta, is the founder and president of Knexus Research Corporation, a company dedicated to providing intelligent system research services to the government and industry. His research interests span various artificial intelligence (AI) topics such as knowledge representation and discovery, machine learning, relational inference, automated knowledge brokering, natural language understanding, information and knowledge extraction and ontologies. Products of his research are deployed in information extraction companies such as Cymfony, decision support applications company such as CDM Technologies, and in manufacturing & services companies such as DuPont, Bombardier Aerospace, and Honeywell Systems. He has authored four U.S. patents, and has published over 4 dozen articles in journals and peer reviewed conferences on various AI topics. He obtained his PhD in business administration from McMaster University, Canada, in 1996.

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**About the Contributors**

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Fernando Pérez Fontán obtained his degree in Telecommunications Engineering in 1982 from the Technical University of Madrid and his PhD in 1992 from the same university. After working in industry since 1984 he became an assistant professor at the University of Vigo in 1988. In 1993 he became a senior lecturer (associate professor) and in 1999 he became a full professor at the Signal Theory and Communications Department of the University of Vigo. He lectures in Radiocommunication Systems, especially in terrestrial fixed and mobile system related topics. He is the author of a number of books and journal papers and has been the leader in a number of projects funded by public and private entities. He has participated in several ESA projects as the University of Vigo leader dealing with propagation effects on GNSS2, Galileo and land mobile satellite systems. In the frame of these contracts, statistical and deterministic propagation tools were developed. One such deterministic tool is based on ray-tracing and UTD techniques, which was successfully used within those contracts. He participates in ITU-RWG3 on Propagation modeling, where he has contributed with two models to the current ITU-R Recommendation 681 on land mobile satellite propagation. He has been Management Committee Member of EU’ COST 255 and 280, and currently participates with the same status in COST 297. He is also a participant in EU’s Network of Excellence SatNex on Satellite Communication Systems. Currently he participates as the University of Vigo leader in EU Project ANASTASIA where he studies interference effects on aeronautical navigation systems and channel effects on aeronautical satellite communication systems. He is also currently working on a contract with AENA, the Spanish national aeronautical authority, where multipath effects on ILS and VOR navigation systems are being studied using the ray-tracing tools mentioned above.
**André P. Freire** is a researcher at the University of York. His research interests are related to techniques and methods to help in the inclusive design and evaluation of web systems. In his previous research projects at the University of São Paulo, he conducted research on the awareness of web developers in Brazil regarding web accessibility. He has also conducted wide studies on the accessibility of governmental web sites at Brazil over time. His current work is focused on the investigation of issues regarding the impact of the involvement of users with disabilities on quantitative metrics in the accessibility evaluation of web sites.

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Jan Stage is full professor at the HCI Lab, Department of Computer Science, Aalborg University, Denmark. Jan holds a PhD in computer science from University of Oslo. His current research interests are in usability evaluation and user interaction design, with emphasis on reduction on the effort needed to conduct usability evaluations. He has published several journal and conference articles in these topics as well as in information system development and methods for software development. Jan teaches human-computer interaction and usability engineering to undergraduate, graduate and PhD students in computer science, informatics and information technology. He is also conduction training and consulting in software companies. Jan is currently involved in a major research project on improving web portal usability in close collaboration with several industry partners.

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Stefan Stieglitz is assistant professor of communication and collaboration management at the institute of information systems at the University of Muenster. He is founder of the Competence Center Smarter Work at the European Research Center for Information Systems (ERCIS). Furthermore, he is teacher at the School of Design Thinking at the Hasso-Plattner Institute. He formerly held positions as project manager in the financial industry and in the Internet economy. His research focuses on economic, social, and technological aspects of collaboration software. Of particular interest in his work is to learn more about the usage of technology based social networks in companies. Additionally, he is engaged in the field of unified communication & collaboration. Dr. Stieglitz studied business economics at the universities of Cologne, Paderborn, and Potsdam. He published several articles in reputable international journals. He is also a reviewer for international journals and conferences in the field of information systems.

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Shane Walker is Director of Knowledge Transfer Partnerships at Birmingham City University’s Institute of Art and Design. This role determines current opportunities to develop capability and identify barriers to growth faced by creative industries in the West Midlands region and beyond. As a member of the University’s Human Computer Interaction Design Research Group his research centres on the role of the users’ motivation and emotion in software user interface evaluation and user experience design for software.
About the Contributors

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