About the Contributors

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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.

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About the Contributors

Michele Brocco received his bachelor and master degree in computer science from the Technische Universität München (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 München (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.
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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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Roy Ladner is the director of the Data Architecture and Administration Division at the Naval Meteorology and Oceanography Command. He serves as staff lead and directs technical, programmatic and administrative aspects of the data and information life cycle to support all METOC and geospatial information and services information requirements for the Naval METOC Command. Ladner also performs as the agent for the Command’s Navy-wide role as the functional data manager for the METOC/GI&S functional area and serves as co-lead for METOC data and information standardization across the Department of Defense.

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**About the Contributors**

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Frederick Petry received a PhD in computer and information science from The Ohio State University. He has been on the computer science faculty of the University of Alabama in Huntsville, Ohio State University, Tulane University, and is currently a computer scientist at the Naval Research Laboratory. His research interests include representation of imprecision via fuzzy sets and rough sets in databases, GIS and other information systems, and Semantic Web technology. Petry has over 350 scientific publications including 135 journal articles/book chapters and 8 books written or edited. He is an IEEE fellow, a fellow of the International Fuzzy Systems Association and a distinguished scientist of the ACM.

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