About the Contributors

Kai Jakobs joined Aachen University's (RWTH) Computer Science Department as a member of the technical staff in 1985. Over the years, his research interests moved away from the technical nuts and bolts of communication systems to socio-economic aspects with a focus on IT standardization. He is the co-author of a text book on data communications and more recently, five books on standards and standardization in IT. He has been on the program committees of numerous international conferences, and has also served as an external expert on evaluation panels of various European R&D programs, on both technical and socio-economic issues. He holds a PhD in computer science from the University of Edinburgh.

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Knut Blind is professor for innovation economics, Faculty for Economics and Management, at Berlin University of Technology. He is also head of the Department of Regulation and New Markets at the Fraunhofer Institute for Systems and Innovation Research, headquartered in Karlsruhe, Germany. For 10 years he has been active in innovation and standardization research leading to numerous publications. In the last few years, he extended his research focus to also cover the analysis of the relation between innovation and regulation.

Krzysztof M. Brzezinski is an Assistant Professor at the Institute of Telecommunications, Warsaw University of Technology, Poland. He obtained his M.Sc. in 1984 (for work on switching system management) and Ph.D. in 1995 (for work on broadcast concepts in design) from the same University. His interest in standards is rooted in a more general context of formalized system development. He specializes in formal verification/validation by active and passive testing. For many years dr Brzezinski has consulted the TP – Telekomunikacja Polska, the leading Polish network operator, on the issues of service and infrastructure development and testing. He was the project or task leader in numerous projects run by the R&D department of this Operator, including those that led to the development of the TP’s ISDN and IN networks (he is the author of TP’s Technical Requirements for DSSI, ISUP, INAP and other protocols / platform elements) and to the adoption of the formalized testing methodology. Dr Brzezinski is the author of two books, several book chapters, more than 40 published papers, and numerous technical reports.

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provement. She has also published research related to IT governance, software development standards, organizational and national culture, and electronic commerce. Prior to her university appointment, Aileen worked in private and government organizations where her career progressed from programmer to systems analyst, project manager, and then to IT manager.

Lynn Crawford is a world leader in the field of project management competency. Her research into the assessment of competence for project managers has lead to the development of international teams of researchers and practitioners in developing global competency standards and global bodies of knowledge. Her research strengths address the areas or Hard & Soft systems, Project Governance, Program management, Project categorisation and corporate project management capability. She is currently the director of the Project Management Research Unit at the University of Technology Sydney and a Professor in Project Management at ESC Lille, France.

Ray Dawson obtained BSc and masters degrees from Nottingham University before entering industry with Plessey Telecommunications in 1977. While working as a software developer and configuration manager at the company he developed an interest in ‘best practice’ working methods. This became a research interest when he joined Loughborough University as a lecturer in 1987. He then combined this interest with knowledge management and is now leader of the multi-disciplinary Knowledge Management Research Group at Loughborough University. This group works with organisations to provide Knowledge Management problem solutions, which are both practical and cost-effective. Ray Dawson is a Fellow of the British Computer Society, a Chartered Engineer and a Chartered IT Professional.

Henk J. de Vries is an associate professor of Standardization at Rotterdam School of Management, Erasmus University in Rotterdam, The Netherlands, department of Management of Technology and Innovation. His education and research concern standardization from a business point of view. From 1994 until 2003, de Vries worked with NEN, Netherlands Standardization Institute, in several jobs, being responsible for R&D during the last period. Since 1994, he has an appointment at the Erasmus University’s School of Management and since 2004, he has been working full-time at this university. De Vries is the author of 250 publications, including several books, on standardization.

Tineke Egyedi (PhD) is a senior researcher Standardization at the Delft University of Technology. Earlier she worked for KPN Research, the Royal Institute of Technology in Sweden, and the University of Maastricht. Her research is funded by the Dutch science foundation, the NGI foundation, industry, and government. She has participated in several European projects, chaired IEEE standardization conferences/ program committees, and is (associate) editor of two international journals on standardization. She has published widely. She is president of the European Academy for Standardization (EURAS) and vice-chair of the International Cooperation for Education about Standardization (ICES).

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**Timothy King** graduated in 1990 and obtained his PhD in 1994. Both degrees are in Mechanical Engineering from Imperial College, London. Since 1986, he has been interested in the exploitation of computer technology to support the engineering process. He worked in research and academia in Japan from 1994 to 1998. Since 1998, he has worked as a consultant for LSC Group in the UK, specializing in enterprise integration and information and knowledge management. He is active in the development of International Standards. He is Head of the UK delegation to ISO/TC184/SC4 (Industrial Data) and Convener of ISO/TC184/SC4/WG13 (Industrial Data Quality). Dr. King is a Chartered Engineer (Institution of Mechanical Engineers) and Chartered Information Technology Professional (British Computer Society).

**Ken Krechmer** (krechmer@csrstds.com) has participated in communications standards development from the mid 1970’s to 2000. He actively participated in the development of the International Telecommunications Union Recommendations T.30, V.8, V.8bis, V.32, V.32bis, V.34, V.90, and G.994.1. He was the technical editor of Communications Standards Review and Communications Standards Summary 1990 -2002. In 1995 and 2000 he won first prize at the World Standards Day paper competition. He was Program Chair of the Standards and Innovation in Information Technology (SIIT) conference in 2001 (Boulder, CO), 2003 (Delft, Netherlands) and 2005 (Calgary, Canada). In December, 2006 he received the joint second prize in the IEC Centenary Challenge. He is a lecturer at the University of
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**Shiro Kurihara** graduated from the department of electrical engineering, the University of Tokyo in 1971 and entered into the Ministry of International Trade and Industry. He obtained Ph.D. in economics from the Johns Hopkins University in 1980. He was research fellow in the foreign policy studies in the Brookings Institution and has held various posts in the Ministry, namely, director for international standardization, director for superconductivity and so on. He also served as director for research grants in the International Human Frontier Science Program Organization in Strasbourg, France. He was appointed as professor in the faculty of commerce, Hitotsubashi University in 1994. He chaired the first International Committee for Education on Standardization held in Tokyo in February 2006.

**Kalle Lyytinen** is Iris S. Wolstein professor Case Western Reserve University, USA, adjunct professor at University of Jyvaskyla, Finland, and visiting professor at University of Loughborough U.K. He serves currently on the editorial boards of several leading IS journals including Journal of AIS (Editor-in-Chief), Journal of Strategic Information Systems, Information&Organization, Requirements Engineering Journal, Information Systems Journal, Scandinavian Journal of Information Systems, and Information Technology and People, among others. He is AIS fellow (2004). He has published over 180 scientific articles and conference papers and edited or written eleven books on topics related to nature of IS discipline, system design, method engineering, organizational implementation, risk assessment, computer supported cooperative work, standardization, and ubiquitous computing among others. He is currently involved in research projects that looks at the IT induced radical innovation in software development, IT innovation in architecture, engineering and construction industry, design and use of ubiquitous applications, and the adoption of broadband wireless services in the U.K., South Korea and the U.S.

**Carleen Maitland** is an assistant professor in the College of Information Sciences and Technology at Penn State University, USA. She received a Ph.D. in the Economics of Infrastructure from Delft University of Technology, the Netherlands, in 2001 as well as undergraduate and graduate degrees in engineering from Worcester Polytechnic Institute and Stanford University. With over 10 years of experience, Dr. Maitland’s research has focused on the international and inter-organizational context of ICT deployments, particularly in the wake of technological change, and the ways in which national and regional policies influence market development. Her work has been funded by the European Commission, the U.S. Department of Commerce, the U.S. National Science Foundation, and IBM, among others, and has resulted in over 30 journal articles, book chapters and referred conference proceedings.

**Julien Pollack** is a researcher currently engaged at the University of Technology, Sydney. His main areas of research include systems thinking, complexity theory, project management, and strategic planning. He has a background in information systems development. His previous experience also includes public sector strategy development and delivery, and theatrical projects.

**Steve Probets** has been a lecturer in the Information Science Department at Loughborough University for five years. Prior to that he worked in the Electronic Publishing Group at Nottingham University. His research interests lie in the Knowledge Management and Electronic Publishing domains. Steve has
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Marc Rysman is an Associate Professor in the Economics Department at Boston University. He received a BA from Columbia University in 1992 and a Ph.D. in Economics from the University of Wisconsin in 1999. He specializes in industrial organization and emphasizes empirical estimation of industrial phenomena. Rysman’s research focuses on issues of network effects, standardization and two-sided markets. He also teaches on antitrust and regulation.

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Aura Soininen, LL.M., is currently in the process of completing her PhD (Econ.) on patents in the ICT Sector at the Lappeenranta University of Technology, Department of Business Administration. Furthermore, she works as an associate lawyer in Attorneys at Law Borenius & Kemppinen, Ltd with a specific focus on patent law, IPR strategies and questions related to the pharmaceutical industry and biotechnology. Aura received her Master of Laws degree in 2002 (University of Helsinki), and has also studied biochemistry. After graduation she worked several years as a Researcher at the Helsinki Institute for Information Technology (HIIT). During her employment at HIIT she spent a year and a half at the UC Berkeley, US, where she was a visiting scholar at the School of Information Management and Systems. She has also taught Information Technology Law at the Helsinki University of Technology and worked as a trainee in Labour Court.

Ankur Tarnacha is a Ph.D. candidate at the College of Information Sciences and Technology, The Pennsylvania State University. He holds a Masters degree in Electrical Engineering from The Pennsylvania State University with a concentration in wireless networks. Prior to his graduate work he worked software architect in the Indian telecom sector. His research interests include competitive and collaborative dynamics in wireless markets, standards competition, mobile commerce, and evolution of the telecommunications industry.

Josephine Thomas obtained a BEng and masters degree before completing her PhD in Information Science at Loughborough University in 2006. Her research focused on the critical issues surrounding the adoption and diffusion of data-exchange standards. Since November 2006, she has been working in the Information Engineering team in the Strategic Research Centre at Rolls-Royce. Her main role is to facilitate the adoption of a rich set of tools and techniques for the representation, acquisition and exploitation of knowledge within Rolls-Royce. These tools and techniques draw from a wide variety of disciplines and technologies, including Artificial Intelligence, Intelligent Agents, Cognitive Science, Neurobiology, Statistics, Probability Theory, Signal Processing and Control Theory. Josephine Thomas is also a Director and the Company Secretary of the Natural Computing Applications Forum.
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**Jane K. Winn** is the Charles I. Stone Professor at University of Washington School of Law, and a director of the UW Law School Division of Law, Technology & the Arts. A graduate of Queen Mary College, University of London and Harvard Law School, Professor Winn teaches commercial law, including the law of electronic commerce, and comparative law. She is the coauthor of the treatise Law of Electronic Commerce (4th edition 2009, semi-annual updates) as well as numerous articles on commercial, comparative and technology law topics. Copies of those articles are available on her website at http://www.law.washington.edu/faculty/winn/. Winn practiced with Shearman & Sterling in New York City, taught at Southern Methodist University in Dallas, and visited at University of California-Berkeley before joining UW Law School in 2002. She is a member of the American Law Institute and an advisor to its Principles of Software Contracts project, and has been a Senior Fellow of the University of Melbourne School of Law since 2001. Her current research interests include electronic commerce law developments in the US, EU and Greater China, including information security, electronic contracting and the role of standards in the globalization of markets.