About the Contributors

Anna Szopa, PhD, designs and teaches undergraduate and graduate courses in entrepreneurship and technology commercialization. She holds an MS in Quality Management from Silesian University of Technology and earned her doctoral degree from Jagiellonian University examining innovation strategies of spin-off companies. She has twelve years’ experience in managing companies including research and consultancy. She awarded the fellowship of the The Ryoichi Sasakawa Young Leaders Fellowship Fund (Sylff). She was a visiting researcher at Maryland Technology Enterprise Institute and University of Central Florida. Her primary research interests include university-industry relationships and university spin-offs. She is and editor of books about innovations, and published several articles in management journals and books.

Waldemar Karwowski, PhD, DSc, PE, is Professor and Chairman, Department of Industrial Engineering and Management Systems and Executive Director of the Institute for Advanced Systems Engineering at the University of Central Florida, USA. He holds an M.S. (1978) in Production Engineering and Management from the Technical University of Wroclaw, Poland, and a PhD (1982) in Industrial Engineering from Texas Tech University. He was awarded DSc (dr habil.) degree in management science by the State Institute for Organization and Management in Industry, Poland (2004). He also received Honorary Doctorate degrees from three European universities. He is the author or coauthor of over 350 scientific publications, and is Certified Professional Ergonomist (BCPE). Dr. Karwowski was named the J. B. Speed School of Engineering Alumni Scholar for Research, University of Louisville (2004–2006). He served as member of the Board of Directors of the American Association of Engineering Societies (2006–2007), and Executive Board of the Council of Scientific Society Presidents, Washington, D.C. (2007–2009). Dr. Karwowski currently serves on the Committee on Human Systems Integration, National Research Council of the National Academies, USA (2007–2009), and as Editor of the Human Factors and Ergonomics in Manufacturing journal, and Editor-in-Chief of Theoretical Issues in Ergonomics Science journal. He is Past President of the International Ergonomics Association (2000–2003), and Past President of the Human Factors and Ergonomics Society (2007).

David Barbe received his PhD in electrical engineering from John Hopkins University and worked in industry and government for 20 years. He was awarded the rank of Fellow of the Institute for Electrical and Electronics Engineering (IEEE) in 1978 for his pioneering work on charge coupled device imagers, now used in digital cameras, camcorders, fax machines and numerous defense and medical applications. Dr. Barbe came to the University of Maryland in 1985. Since 2000, he has concentrated on technology entrepreneurship and innovation. Awards include: Stanford University’s Price Institute
Innovative Entrepreneurship Educators Award in 2002, the American Society of Engineering Education Outstanding Entrepreneurship Educators Award in 2003, the Olympus Lifetime of Education Innovation Award in 2008, one of The Daily Record’s Innovator of the Year Awards in 2011, and a White House Champion of Change Award in 2011. In addition to his technical accomplishments, his recent work is in educating the next generation of entrepreneurs, starting tech companies from University research and helping Maryland companies create new and improved products and services.

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**Bhaskar Bhowmick** is presently working as assistant professor at IIT, Kharagpur, India. He completed his Ph. D. from IIT, Ahmedabad with specialization in Business Policy. He has thirteen years of industry experience in sales and marketing. His research interests include strategy-sustenance-succession, leadership strategy, uncertainty in product development, innovation and entrepreneurship.

**Jim Chung** is the founding Executive Director for Innovation and Entrepreneurship at the George Washington University, and a Co-Principal Investigator for the National Science Foundation I-Corps Node in Washington DC (DC I-Corps). He was previously the director of the Mtech VentureAccelerator at the University of Maryland, where he worked with faculty and students to launch startup companies based on university technology. Prior to Maryland, he served as a Director for New Business Development at the Corporate Executive Board and helped establish the company’s mergers and acquisitions capabilities. He also served as Vice President at Cherington Capital (now Intervale Capital), a middle market private equity firm in the oilfield equipment and services industry. He started his private sector career as an early stage venture capital investor, most recently at incTANK Ventures, where he was the managing director. Before becoming an investor, Jim was an academic researcher studying how business, government, and academia work together to create new innovations in high technology industries. He was a research fellow at MIT (Security Studies Program), Harvard (Center for Science and International Affairs), the University of Tokyo (Fulbright Fellow), the Korea Electronics and Telecommunications Research Institute (NSF EAPSI-Korea Fellow), Korea Advanced Institute of Science and Technology (KAIST) and the Korea Science and Technology Policy Institute (STEP). He received his Bachelor and Masters degrees from Stanford University and was a Ph.D. candidate at MIT.

**Rebecca De Coster** is a lecturer of innovation in the College of Engineering, Design and Physical Sciences, Brunel University London. She has twelve years of experience in the telecoms sector including research and consultancy based on her prior experience in telecommunications planning. She received her BEng (Hons) in electronic and electrical engineering from Birmingham University and her MBA from the University of Kingston, London. She earned her doctoral degree from Brunel University examining innovation strategies of mobile networking firms and the associated enterprise realignment for managing technology and innovation.
Craig Dye is the director of the Ventures programs at the Maryland Technology Enterprise Institute (Mtech) in the University of Maryland’s A. James Clark School of Engineering where he manages a wide variety of venture creation programs. Craig joined Mtech from the University of Maryland’s Robert H. Smith School of Business, where he was the director of venture investments at the Dingman Center for Entrepreneurship. Dye is an accomplished business executive and investor with more than 20 years of investing, IT and operational management experience. As an advisor to the Affinity Lab—an incubator for corporate and social entrepreneurs, Craig has helped launch and sustain numerous successful companies and non-profits in the mid-Atlantic region. Prior to joining Affinity Lab, Craig was the chief operating officer of Articulated Impact, a software development and web strategy company that provides solutions to the challenges of top-tier companies, hedge funds, and nonprofits. Before that, Dye was the founder and CEO of Wheelhouse Networks, delivering enterprise-class computing and telecommunication platforms as a managed service to corporations and professional services firms. He began his career with Informatics General (since acquired by CA Inc.), one of the first technology services companies in the nation, and subsequently served as the global chief information officer for the international law firm Hogan Lovells, supporting its growth into a $2 billion legal services leader and more than doubling in size during his tenure. Dye serves on the board of directors of a number of companies and advises startups and nonprofits in the metropolitan Washington area. He received his bachelor of arts in political science from the State University of New York at Buffalo.

Filiz Eryılmaz is affiliated as a research assistant at the Faculty of Economics and Administrative Sciences of Uludağ University in Bursa/Turkey. She graduated with a bachelor’s degree in economics department of same university. She holds a Ph.D. degree from Uludağ University. Her current research is focused on fields of new political economy, political business cycles, macroeconomy and financial economy.

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Susmita Ghosh is a research scholar at Rajendra Mishra School of Engineering Entrepreneurship, Indian Institute of Technology Kharagpur. Currently she is pursuing her doctoral degree in Entrepreneurship. She has taken ‘Perceived Environmental Uncertainties and its measures for start-ups’ as an area of study for her doctoral degree. Her current research interests are Entrepreneurial Business Incubation, Uncertainty affecting Product Development.
Kijpokin Kasemsap received his BEng degree in Mechanical Engineering from King Mongkut’s University of Technology Thonburi, his MBA degree from Ramkhamhaeng University, and his DBA degree in Human Resource Management from Suan Sunandha Rajabhat University. He is a Special Lecturer at Faculty of Management Sciences, Suan Sunandha Rajabhat University based in Bangkok, Thailand. He is a Member of International Association of Engineers (IAENG), International Association of Engineers and Scientists (IAEST), International Economics Development and Research Center (IEDRC), International Association of Computer Science and Information Technology (IACSIT), International Foundation for Research and Development (IFRD), and International Innovative Scientific and Research Organization (IISRO). He also serves on the International Advisory Committee (IAC) for International Association of Academicians and Researchers (INAAR). He has numerous original research articles in top international journals, conference proceedings, and book chapters on business management, human resource management, and knowledge management published internationally.

Tobias Kesting works as a researcher, as a scientific consultant (specialising in organisational marketing/management process issues) and as a lecturer in marketing, innovation management and academic research and writing at Münster University of Applied Sciences and other universities. He furthermore takes over research and teaching activities at the Science-to-Business Marketing Research Centre (S2BMRC) in Münster and is Director of the UIIN (University Industry Innovation Network) Scientific Board. He holds a doctoral degree from the International Graduate School Zittau (now part of TU Dresden). From ESB Business School Reutlingen, he holds a diploma in business administration and a MBA in international business development. His primary research areas are knowledge and technology transfer, innovation management, research communication and commercialisation, as well as service marketing. He is the author, co-editor and special issue guest editor of several books and journals on these issues (university knowledge and technology transfer; marketing for innovations; business-to-business communication; and organisational marketing).

Tadeusz Marek is professor of psychology at Jagiellonian University in Krakow (Chairman of the Department of Cognitive Neuroscience and Neuroergonomics and the Neurobiology Department of Maloplska Center of Biotechnology) and at Warsaw School of Psychology in Warsaw. He is the author or co-author of over 300 research publications, and is the author or editor (the co-author or co-editor) of 22 books. His main research deals with the mental stress and work load, fatigue, human functions in relation to the processes of visual attention, cognitive neuroscience, chronopsychology and neuroergonomics. He is past president of Committee on Ergonomics of Polish Academy of Sciences. He serves as, Editor in Chief of “ERGONOMIA – An International Journal of Ergonomics and Human Factors”, Senior Editor of “Theoretical Issues in Ergonomics Science”, and Associate Editor of “International Encyclopedia of Ergonomics and Human Factors” (published 2001 and 2006 by Taylor and Francis). During 1993-1996 he was the editor of international journal “Ergonomics”. He is a member of many Polish and international learned societies. He collaborates with many scientific centers all over the world: Europe, US, and Australia.
About the Contributors

Colin McEwen is a part-time lecturer in the College of Engineering, Design and Physical Sciences, Brunel University London. He has both academic teaching experience and industrial experience, ranging from radar systems through product design to telecommunications network operations. Latterly he shifted focus to Engineering Management and Finance. Colin read Electronic and Electrical Engineering at UCL. He is a Fellow of the IET and is a Chartered Engineer.

Joseph Naft is Director of the Maryland Industrial Partnerships (MIPS) program, which funds collaborative R&D projects between Maryland companies and University System of Maryland faculty. To be sponsored by MIPS, projects must show strong potential for commercialization and economic impact. These projects cover the gamut of state-of-the-art technologies in fields such as biotechnology, nanotechnology, clean energy, robotics, information technology and all types of engineering. Prior to joining MIPS, Mr. Naft was Director of Information Technology for the Maryland Technology Enterprise Institute (Mtech, MIPS’ parent organization) of the University of Maryland College Park. Mr. Naft’s background also includes a successful entrepreneurial stint as founder of a software development firm and experience as a Lead Engineer for the Boeing Company in Seattle. Mr. Naft holds an M.S. in Physics from Vanderbilt University, a B.S. in Computer Science from the University of Maryland, and a B.S. in Aerospace Engineering and a B.A. in Psychology from Case Western Reserve University.

Syakirah Mohamad Taib is currently pursuing her PhD studies in Engineering Management focusing on the innovation and adoption of wearable technology, Brunel University London. She was formerly a lecturer for three years at MARA-Japan Industrial Institute, Malaysia providing classes on electronics and supporting engineering entrepreneurship. Prior to this she has ten years’ engineering experience primarily in facility maintenance in the private and public sectors. She had been awarded BEng (Hons) in electronic and electrical engineering from Universiti Kebangsaan Malaysia and her MSc. in Information Management from Universiti Teknologi MARA, Malaysia.

Pedro Vilarinho is a member of COTEC Portugal executive team where he leads the technology venture accelerator: Act - a ‘lab to market’ venture engine that aims at supporting the creation of technology-based start-ups (www.actbyotec.com). He joined COTEC in 2003 after pursuing an academic career at the University of Aveiro. He holds a degree in Electronic and Telecommunications Engineering from the University of Aveiro, a MSc in Computer Science from the University of Coimbra and a PhD in Industrial Management from the University of Porto. While at the University of Aveiro he consulted with several national (Amorim Revestimentos S.A., CORDEX – Companhia Industrial Têxtil, S. A., CORGOM – Indústria de Transformação de Cortiça S. A, Corticeira Amorim Indústria, S.A. and RARO S.A.) and international companies (ABB Group and GKN plc) and public agencies (Infante D. Pedro Hospital, Ministry of Education and North Region Health Administration) mainly on process re-engineering. At COTEC he gained extensive experience in mentoring projects through the initial business development stages and was directly involved in launching several start-ups that overall managed to attract over €17 million in investment. Currently he is the acting CEO of four start-ups, namely Biomode – Biomolecular Determination, Thelial Technologies, Pharma73 and ExtremoChem.
Bernd Wurth is a Ph.D. candidate in Management Science at the University of Strathclyde, UK. He holds a B.Eng. in Mechanical Engineering from South Westphalia University of Applied Sciences in Soest, Germany, and a M.Sc. in Management of Technology from The University of Texas at San Antonio, USA. He gained work experience by completing a dual track career training and degree program during his undergraduate studies and as a project coordinator for engineering development projects in the automotive supplier industry. His research interests include the dynamics of open innovation, technology transfer and technology-based entrepreneurship as well as entrepreneurial ecosystems. His research has been published in Research-Technology Management and at several conferences.