About the Contributors

Göran Roos is Professor in Strategic Design in the Faculty of Design, Swinburne University of Technology, Melbourne; Adjunct Professor at Mawson Institute, University of South Australia, Adelaide; Adjunct Professor at the Entrepreneurship, Commercialisation and Innovation Centre, University of Adelaide, South Australia; Adjunct Professor at University of Technology Sydney Business School, Sydney; Adjunct Associate Professor in the College of Business, Nanyang Business School, Nanyang Technological University, Singapore. He is a Stretton Fellow appointed by the City of Playford at University of Adelaide and chairing the Advanced Manufacturing Council in Adelaide; is a member of the Economic Development Board; a member of the Council for Flinders University, Adelaide; a member of CSIRO’s Manufacturing Sector Advisory Council; Senior Advisor to Aalto Executive Education Academy in Helsinki; and holds the title of Professor at VTT Technical Research Centre of Finland. He is a member of the editorial boards for Journal of Intellectual Capital, International Journal of Learning and Intellectual Capital, International Journal of Strategic Change Management, and Journal of Human Resource Costing and Accounting.

Narelle Kennedy, AM, is Managing Director of the Kennedy Company Pty Ltd. providing business leaders and public policy makers with research, advisory and consulting services to enable them to compete in fast-moving, volatile global business environments. She is Adjunct Professor with the School of Business at the University of Technology Sydney. She founded and led the pioneering, business-backed collaborative research think tank, the Australian Business Foundation, and is responsible for its catalogue of published research studies with leading academics and practitioners on innovation, future scenarios, globalisation, productivity, sustainability, and industry case studies. She was awarded a Member of the Order of Australia (AM) in 2014 for significant service to business in Australia.

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Renu Agarwal is Senior Lecturer in Innovation and Service Operations Management at UTS Business. In her current faculty position, she provides leadership and conducts research in the disciplinary fields of service science, service value networks, supply chain management, dynamic capability building, management practices, management education, and innovation and productivity. As a Research Director, Renu has been instrumental in managing several federal government projects on management practices in manufacturing firms for both Australia and New Zealand and at state government level in Australian hospitals, participating in a global study of management practice and productivity, working in collaboration with London School of Economics, McKinsey, and Stanford University. She has published in top tier international journals including Decision Sciences, International Journal of Operations Management, and International Journal of Production Economics. She is currently editing The Handbook of Service Innovation to be published by Springer-Verlag London in 2014.

Toni Ahlqvist is Principal Scientist in the foresight team at VTT Technical Research Centre of Finland. He has some 17 years of research experience in the fields of foresight, economic geography, and innovation studies. He has been a project manager and a foresight expert in several foresight and technology roadmapping projects at VTT. His present research focuses on socio-spatial transformations induced by science, technology and innovation policies, and on political economy of national and regional innovation systems. He has published widely on the field of foresight, on topics such as roadmapping, emerging technologies and infrastructures, and socio-technical change. He is an Adjunct Professor of economic geography and technological transformations at the University of Turku, Finland.

Christopher Bajada is Associate Professor of Economics and Associate Dean (Teaching and Learning) at University of Technology Sydney. He started his teaching career at the University of New South Wales, from where he holds a PhD. He has taught economics on a variety of undergraduate and postgraduate courses, with his most recent teaching experience being in applied microeconomics. In recognition of his teaching, Chris was awarded the University of Technology Teaching Excellence Award and Team Teaching Award as well as the Carrick Institute (now the Office of Learning and Teaching) Teaching Award for Outstanding Contributions to Student Learning in Higher Education. His research is primarily in applied macroeconomics, with a special interest in tax compliance. He has worked with the Australian Taxation Office as a member of the Cash Economy Task Force, as a member of the Economics Society of Australia and more recently on the expert advisory panel on the development of the Economics Learning Standards for Australian Higher Education.

Paul J. Brown is a Lecturer at UTS Business School in the Accounting Discipline Group. His PhD was in the area of corporate governance and contracting theory, and since completing it in 2009, he has embarked on a cross-disciplinary research program. As part of cross-disciplinary teams, he has been funded for two large projects: Leadership and Change for Energy Efficiency in Accounting and Management, funded by the NSW Office of Environment and Heritage; and Accounting for Value Chain Sustainability and Competitive Advantage, funded by the Australian Government Cotton Research and Development Corporation. He has also worked on a number of Australian and New Zealand federal government funded projects focussing on evaluating the links between management practice and productivity. He is a core member of the UTS Centre for Corporate Governance and the Centre for Management and Organisation Studies.
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Sam Bucolo is Professor of Design and Innovation at University of Technology Sydney and a leading academic and practitioner in the emerging field of design led innovation. He has led several projects that has contributed to transforming businesses facing structural change through embedding design capability within the organisation. He has published widely on the topic of the value of design to industry and has undertaken several significant projects with a wide variety of firms. He is recognised as a leader in this field. He leads a team investigating the value of Design Led Innovation to the Australian Economy. He is also the convenor of the recently established Australian Design Integration network and is an executive board member of the Cumulus global network.

Graciela Corral de Zubielqui is the Associate Head (Research) and lecturer in the postgraduate Project Management area in the Entrepreneurship, Commercialisation, and Innovation Centre at the University of Adelaide. She completed her PhD in the area of innovation and globalization. She also holds a Bachelor of Economics (Honours) and a Master in Economics and Business Administration. She has held appointments as a Research Associate in the School of Management, University of South Australia, the Entrepreneurship, Commercialisation and Innovation Centre, and the Adelaide Business School at the University of Adelaide. She worked in projects which linked government departments, industry and university. She is interested in innovation and collaboration activities between government, industry and university, and performance and economic regional development.

Manjula Dissanayake is a PhD candidate at the Entrepreneurship Commercialisation and Innovation Centre (ECIC) at the University of Adelaide, studying entrepreneurial team learning and strategy development. Prior to starting his PhD candidature, he was a founding member of highly successful technology start up companies, one of which was acquired by Symbol Technologies (now a Motorola Company) in 2002. He has worked on innovative projects for leadings clients in retail, banking and government sectors including for Fortune 500 companies. He has co-authored granted US patents in the technology space mainly for the retail industry. He has served on numerous boards of universities and industry chambers including the American Chamber of Commerce. He has presented and chaired sessions at international conferences on Entrepreneurship. He obtained his Bachelors in Information Systems from Manchester Metropolitan University, UK with a First Class Honours and Masters in Advanced Computing from School of Computing – University of Colombo, Sri Lanka. He has also obtained his executive management training from Stanford University, USA.

Bradley Farrell is a Partner at E&Y and the firm’s Oil and Gas Advisory Leader for Oceania. For more than 10 years, Bradley has delivered commercially pragmatic advisory solutions to a wide range of local and international clients. He specialises in providing Advisory services to Exploration and Production companies, especially those with interest in LNG (liquefied natural gas). His oil and gas advisory experience includes assignments related to business transformations, enterprise performance management, business management systems, process analysis and improvement, organisation design and development, and change management. He coordinates the firm’s market strategy and thought leadership. He also monitors current and emerging issues, represents E&Y at industry forums and participates in national and global consultations on energy specific issues.
Jerad A. Ford has over 10 years of experience with the world’s largest independent research and development firm, Battelle, as a Senior Research Scientist responsible for project management and business development. He has worked extensively with major US government agencies on innovation, and has recently set strategy for renewable energy, and oil and gas exploration and production, for a major national oil and gas firm in SE Asia. He is currently undertaking a PhD at The University of Queensland Business School in Strategy with a focus on innovation in Australia’s oil and gas industry.

Rodin Genoff is founder and Managing Director of Rodin Genoff & Associates, Pty Ltd. Sydney Australia, established in 1998. Rodin is an internationally recognised cluster development expert. His work with the City of Playford in South Australia won the DOTARS award for the most innovative economic development program in Australia. He has designed and led cluster projects in Europe, Asia and Australia focussing on integrating cross cluster dynamics between sectors such as food processing, steel, engineering, electronics, IT, cleantech, industrial design, and the creative industries to create collaborations between companies. These have led to new business and investment opportunities and the formation of born global companies. His work has been widely reported in the Australian and Danish financial press. He has worked at executive level of government, local and regional development and between 1994 and 1999 lectured at undergraduate and postgraduate level in Economics and Public Policy at the University of South Australia and undertook ARC research at the Centre of Labour Studies at Adelaide University. He has written several books on manufacturing, innovation and industry cluster development, was the Australian representative to the OECD LEED program between 2001 and 2006, and has served on Ministerial Advisory Boards. He is also co-founder and Global Head of Strategy for Integrative Design, a Singapore based sustainability and engineering design company. In 2013, Rodin was named by ABC Carbon (Singapore) as one of the top 100 sustainability leaders in the world for his innovative work in the cleantech and environment industries.

Roy Green is Dean of UTS Business School at the University of Technology Sydney. He gained his doctorate from the University of Cambridge and has worked on innovation policy with governments and business around the world, including projects for the OECD’s National Innovation Systems programme and the European Union’s Seventh Framework Programme for Research and Technological Development (FP7). Most recently, he led Australian participation in a global study of management practice and productivity, conducted a major industry review for the Department of Innovation, Industry, Science and Research and was invited to join the Prime Minister’s Manufacturing Taskforce. He has also chaired the Australian Government’s Innovative Regions Centre, CSIRO Manufacturing Sector Advisory Council and NSW Manufacturing Council, and was a member of the Enterprise Connect Advisory Council and Australian Research Council (ARC) Centre of Excellence for Creative Industries and Innovation.

John Kettle earned his PhD at the University of Plymouth and is presently Manager of International Operations at VTT Technical Research Centre of Finland. He has over 30 years of industrial research and development experience in the Minerals R&D (Imerys) and Pulp and Paper R&D (SCA, KCL, and VTT). His present focus is on the development of VTT’s business internationally and with particular focus on Australia. He has published in the fields of porous materials, coating and printing technologies.
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**Mushui Huanmei Li** graduated with a Bachelor of International Economics and Trade from Tianjin Agriculture University, China in 2007. From 2007 to 2010, she completed a Master of Regional Economics at North West Agriculture and Forestry University, China. She commenced her doctoral studies at the University of Adelaide in November 2010. Her research interests are entrepreneurship, industrial clusters, and wine industry policy in Australia.

**Gerald Marion** has over 17 years of professional experience as a Private Equity Investor and Management Consultant. He is a Director within EY’s Advisory and the Strategic Direction & Customer Lead in Queensland. His focus areas include delivering growth and business transformation projects across Government, Financial Services and the Energy Sector. He has worked on a variety of strategy and operational projects including Growth and Innovation, Organisational Productivity, Customer Transformation, Target Operating Models Redesign, and Lean/Six Sigma programs. He is a UQ Business School Industry Fellow and has closely collaborated with UQ on a number of key initiatives, namely: The Productivity and Innovation Study of the Australian Oil and Gas Industry; The Digital Transformation Audit of 500 businesses and 25 digital champions; The Brisbane Innovation Scorecard and The University of the Future. He presented on behalf of EY-UQ the preliminary findings of “The Productivity and Innovation Study of the Australian Oil and Gas Industry” at the APPEA conference in October 2012 in Brisbane.

**Ian Marsh** is Visiting Professor at the Crawford School, Australian National University and at the Australian Innovation Research Centre, University of Tasmania. His most recent study *Democratic Decline and Democratic Renewal: Political Change in Britain, Australia and New Zealand* (with Raymond Miller) was published in 2012 by Cambridge University Press. He has a strong background as a teacher, researcher, author, and policy adviser, specialising in innovation and governance. He received a BA from the University of Newcastle and is a graduate of the Kennedy School of Government and the Graduate School of Arts and Sciences at Harvard University (AM, PhD).

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**Allan O’Connor** is the Academic Director for Innovation and Entrepreneurship Post-Graduate programs at the Entrepreneurship Commercialisation and Innovation Centre (ECIC), The University of Adelaide, Australia. Commencing his professional career in 1979 in mechanical engineering, he has worked primarily in the small and medium enterprise sector developing and introducing new products, entering new markets, and expanding sales and business opportunities in both established and new business environments. His qualifications in entrepreneurship include a Master in Enterprise Innovation and a PhD in the field of public policy for entrepreneurship education and economic development. His research involves enquiry at the intersections between entrepreneurship, innovation and socioeconomic development.

**Don Scott-Kemmis** is a consultant specialising in innovation management and policy. He is Adjunct Professor at UTS and teaches innovation management and entrepreneurship to postgraduates. Previously, he was an Associate Professor at the ANU, and held research appointments at the University of Sussex and University of Wollongong. He has been a consultant to many national and international organisations, and is currently advising on a major EU project in Indonesia. He has also been a manager and adviser in research and innovation policy in the public sector in Australia. He holds degrees from the University of Sydney and University of Sussex.

**Graeme Sheather** is Visiting Professor at the University of Technology Sydney Business School. He has a Bachelor Degree in Architecture, a Master of Science in Urban and Regional Planning, and a Master of Ekistics, and spent 30 years teaching, researching and consulting in urban and regional planning in Australia, Israel, Greece, and the USA. At UTS, he was the Director of the highly acclaimed Bachelor of Manufacturing Management Coop degree. He has been a visiting lecturer in manufacturing at Rhodes University, South Africa, and lecturer in manufacturing logistics at the Institute of Transport and Logistics at University of Sydney Business School. He has some 50 publications across academic and professional journals, papers in referred conference proceedings, and technical inquiries and reports. He is joint author of three books and has chapters in a number of others, and has been a regular keynote speaker and workshop leader at professional conferences. He was a joint recipient of ARC Large Research grants incorporating work on integrated supply chain management, and awarded an international grant as part of the EU’s ESPRIT 2000-TBP ENAPS Program for 1997 and 1998. He has completed consulting contracts for industry and government agencies in regional industry analysis, transport and economic planning and supply chain management. Currently he is a Principal in the consulting firm Rodin Genoff & Associates, responsible for developing the cluster audit methodology used by the firm, in creating economic development and job creation projects undertaken for regional Governments in South Australia, Denmark and Sweden.

**John Spoehr** is the Executive Director of the Australian Workplace Innovation and Social Research Centre at The University of Adelaide where he is an Associate Professor. He has published widely in the areas of socio-economic impact of change including as Editor of *State of South Australia* now in its third edition and *The Engaging State*, both published by Wakefield Press. He is currently playing a leading role in the establishment of the Stretton Centre, which is seeking to foster and support more integrated approaches to industry, workforce, and urban development in Australia.
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**John Steen** is Associate Professor in Strategy at The University of Queensland Business School in Brisbane. He holds PhDs in Strategy (The University of Queensland) and Biochemistry (University of Tasmania). He is currently leading major international projects on the subject of innovation and productivity, with colleagues at UQ, Imperial College London and University College London. This includes the transition to new digital business models and performance in megacapital ($1 billion +) projects, particularly in the oil and gas sector. Current partners in these projects include Imperial College London, Cambridge University, Brisbane City Council, Queensland Government, Norwegian School of Management, UQ Sustainable Minerals Institute, APPEA, and Ernst & Young. He is a nationally recognised teacher in the field of business strategy, receiving an award from the Australian Teaching and Learning Council in 2008. He has been on both the advisory and technical committees for the Brisbane Innovation Scorecard, since its inception in 2010. He is highly sought after as a guest speaker and commentator and has given talks on strategy and innovation to business and governments in Australia, Asia and Europe. His research has been published in a range of leading peer-reviewed publications and he has been the recipient of several competitive grants. In 2011, he was appointed as a visiting research fellow at the Centre for Business Research, Cambridge University.

**Milé Terziovski** is in his second term as Head of School, International Graduate School of Business, and Professor in Strategy and Innovation, at the University of South Australia. He is the Dean (designate), and Professor in Innovation at the Curtin Graduate School of Business, effective end of March 2014. Professor Terziovski has strong links with industry and the professions, and an outstanding academic record of scholarship ranging across innovation, entrepreneurship and quality management. He has published in prestigious journals such as the Strategic Management Journal, Journal of Operations Management, and Rand European Journal of Operations Research, and received two best paper awards from the US Academy of Management. He was previously employed with the University of Melbourne for 10 years, Monash University for four years and Rio Tinto Ltd for 16 years as an Engineering Manager and Project Leader.

**John Tomaney** is Professor of Urban and Regional Planning in the Bartlett School of Planning at University College London. He holds visiting professorial appointments at the University of New South Wales, Monash University, and Newcastle University (UK). He is an Academician of the (UK) Academy of Social Science and a Fellow of the Regional Australia Institute.

**Ville Valovirta** is Senior Scientist at VTT Technical Research Centre of Finland. His research focuses on innovation systems, technology foresight, innovation policy, and public-private collaboration for innovation. He is pursuing research on diffusion of urban innovation in cities and public procurement of innovation. He has carried out foresight projects in Finland, Australia, South Korea, and Chile. He has conducted programme evaluations and impact assessment related to innovation policy, R&D programmes and commercialization support schemes. He has worked in a private consultancy where he held responsibility for management of research and evaluation services. He holds M.S. (Pol.) from University of Helsinki.
**Nafty Vanderhoek** is a graduate of the University of Adelaide where he obtained his BSc (Hons) in 1970 and PhD in 1974. He has been supporting the pulp and paper and related industries for almost 40 years in a variety of technical and management roles; 28 years with APM/Amcor, nine years with CSIRO and for the past three years with VTT for whom he acts as a Senior Advisor. Today, he maintains a strong interest in R&D aspects of biomass utilisation from transitioning existing pulp and paper operations to new stand-alone biorefinery opportunities.

**Martie-Louise Verreyne** is Associate Professor in Innovation at the University of Queensland Business School in Brisbane, Australia. She holds a PhD in Strategic Management from Massey University in New Zealand and has worked at universities in Australia, New Zealand, and South Africa. She has published in all three major small business journals, and is currently an assistant editor for one of those journals. Her current work is in the areas of small firm growth, strategy, and innovation.

**Cara Wrigley** is Senior Lecturer in the field of Design-Led Innovation (DLI). She currently directs the Queensland University of Technology’s DLI Research Lab, placing postgraduate researchers within Australian businesses. She has developed a unique understanding of “visceral hedonic rhetoric” and its contribution to the field of product design research. Combined with her scholarly expertise in emotional design, she is actively researching the value that design holds in business – specifically through the creation of strategies to design business models which lead to emotive customer engagement.