

Appendix **v**

About the Authors

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Nigel Andrade is the Global Lead Partner for A.T. Kearney's Customer Value Service Line and the leader of its multi-disciplinary proposition innovation capability platform Pivotal Customer Event Labs. He has over 17 years of experience working with governments and major corporations, designing and executing innovation-led transformation programmes. In particular, he has a passion for designing and building 'attacker' business models—for incumbents and market entrants alike—which challenge the status quo and create value for the customer, the company, and the economy. Mr Andrade has worked and lived in over two dozen global cities across Asia, Europe, and North America prior to moving to Sydney, Australia, in 2010. He is passionate about innovation at the national level and is a published author of *Australia 2034: Luckier by Design*, which looks out at the capabilities Australian and global companies need to build to survive and thrive over the next two decades. He has leveraged these insights in helping shape some of Australia's leading companies' innovation agendas. Apart from his client-facing roles, he is also the lead Asia Pacific Partner for A.T. Kearney's Diversity & Inclusion Agenda and works closely with his global colleagues on firm-wide initiatives to ensure we attract, nurture, and retain the best talent available. Prior to joining A.T. Kearney, Mr Andrade was a Partner with McKinsey & Company and led their FI practice for SE Asia (2008–10) and FI practice for Australia (2010–13). He has an MBA from the Indian Institute of Management, Ahmedabad (Industry Scholar), and a BSc (Hons) in Mathematics from Mumbai University (University Gold Medal).

Suma Athreya is Professor of International Strategy at Brunel Business School and a member of the Strategy, Entrepreneurship and International Business Group. She is a visiting researcher at UNU-MERIT (Maastricht) and Birkbeck College, London, and has been a visiting researcher at The Earth Institute at Columbia University and the East-West Center in Hawaii. Her main research interests lie in the fields of International Economics and the Economics of Innovation; she has published over 50 papers on these subjects and won several research grants for work in these areas. She serves on the editorial boards of *Research Policy*, *Journal of International Business Studies*, and *Industrial and Corporate Change*. She has consulted with the World Intellectual Property Organization and the UK Intellectual Property Office, and was also Rapporteur of the European Research Area (2008) report *Opening to the World: International Cooperation in Science and Technology*.

John Bell is a Senior Associate with ACIL Allen Consulting and Senior Policy Adviser to the Australian Academy of Technology and Engineering (ATSE). He is also a Director of the Australian Genome Research Facility Ltd. Dr Bell has been Chief Science Adviser and a Deputy Secretary in the (now) Australian Department of Industry, Innovation and Science. His other appointments included Acting Director of the Australian Institute of Marine Science and Chairman of the Commonwealth Coordinating Committee on Science & Technology and of the Cooperative Research Centres Committee. He has been a member of the Prime Minister's Science Prizes Committee, the Australian Space Council, the Industry R&D Board, the Australian Research Council, and the Defence Industry Committee. Dr Bell's experience includes more than seven years working with the OECD in Paris. In the 1980s he spent four years as Head of the OECD's division responsible for work on innovation. In 2012–14 he chaired an Expert Working Group for the Australian Council of Learned Academies (ACOLA) that reported to the government on the contribution of science, research, and technology in lifting Australian productivity. He has subsequently chaired another ACOLA Expert Working Group that examined the translation of public sector research for economic and social benefit. Dr Bell holds a BSc and an MSc (Auckland), and a PhD (Sydney). He had postdoctoral experience at UCLA and at the Australian National University. In 2003 he was awarded a Centenary of Federation medal for his strategic contribution to research in Australia.

Aravind S. Bharadwaj is currently Senior Vice President of Advanced Technology and Services, Automotive & Farm Equipment Sectors, Mahindra & Mahindra Ltd. Prior to this assignment he was CEO of Automotive Infotronics Limited (a joint venture between Ashok Leyland and Continental AG) after serving as Executive Director of Advanced Engineering & Mission Summit at Ashok Leyland since April 2008. He has worked at TVS Motor Company, India; Delphi Technical Center, Singapore; GM Powertrain, Michigan, USA; and GM R&D Center, Michigan, USA. In these assignments, he has worked on technology development projects in various domains such as electric and hybrid electric vehicles, transmission and engine control systems, two-wheeler electronics, and commercial vehicle mechatronics and infotronics. He has published several papers in international journals and conferences and has three patents. He is a certified six sigma black belt and a senior member of IEEE. He is currently the President of SAEINDIA and was a Director in the Board of SAE International from 2008 to 2010. He is Co-Chairman of the CII National Council on Technology and, until recently, was a member of the Board of Governors, AC College of Engineering & Technology, Karaikudi. He was a founding member of the Core Group on Automotive R&D and played a leadership role in the Koyambedu Telematics Project for Chennai/Tamil Nadu Bus applications. Dr Bharadwaj received a BE (Hons) from the Madurai Kamaraj University, an MS and a PhD from Virginia Polytechnic Institute and State University, USA, and an MBA (with Distinction) from the University of Michigan, Ann Arbor, USA.

Kirsten Bound is Director of International Innovation at Nesta, an innovation charity based in the UK. Her research explores new trends in innovation around the world with an emphasis on emerging economies such as China, India, and Brazil. She works with the UK and global governments to design and build capacity for more effective and impactful innovation policy interventions. She has overseen the creation of a new Compendium of Evidence on the Effectiveness of Innovation Policy, and published reports on issues ranging from Chinese and Indian innovation systems to start-up accelerators and innovation procurement. Prior to Nesta, she worked for Tony Blair's Africa Governance Initiative in Rwanda, capacity building in central government and advising the Rwandan Prime Minister on a new Policy Delivery Unit. She also worked as a consultant on Investment Climate Reform for the World Bank's International Finance Corporation, focusing on inward investment promotion and private-sector development. Before that, she spent five years as a researcher, then senior researcher, at Demos, a leading public policy think tank, where she specialized in innovation in emerging economies. Her publications at Demos include *Brazil: The Natural Knowledge Economy*, republished in Portuguese as *Brasil: A Economia Natural do Conhecimento*, and *India: The Uneven Innovator*.

John Cantwell is Distinguished Professor of International Business at Rutgers University in New Jersey, USA. He was Professor of International Economics at the University of Reading in the UK, and he has also been a Visiting Professor at the University of Rome 'La Sapienza'; the University of the Social Sciences, Toulouse; and the University of Economics and Business Administration, Vienna. He is the author of *Technological Innovation and Multinational Corporations* (Basil Blackwell, 1989). This book helped to launch a new literature on multinational companies and international networks for technology creation, beyond merely international technology transfer. Altogether, Professor Cantwell has published 14 books, over 70 articles in refereed academic journals, and over 80 chapters in edited collections. His published research spans the fields of International Business and Management, Economics, Economic History and Philosophy, Economic Geography, and Innovation Studies. Professor Cantwell is currently serving as the Editor-in-Chief of the *Journal of International Business Studies* from 2011 to 2016, which is the leading journal in the field of International Business scholarship. He was the President of the European International Business Academy (EIBA) in 1992, and in 2001 he was elected as one of four EIBA Founding Fellows. He is serving as the elected Dean of the EIBA Fellows from December 2015 to December 2018. In 2005 he was elected as a Fellow of the Academy of International Business (AIB).

Cristina Chaminade is Full Professor in Innovation Studies at the Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE) at Lund University (Sweden). Her area of expertise lies in the globalization of innovation, particularly global innovation networks and innovation in emerging economies. She has actively worked on innovation in developing countries such as China, India, South Africa, Thailand, and Brazil for over 15 years. Professor Chaminade's research focuses mainly on understanding how firms, regions, and nations create and use knowledge for innovation when knowledge is globally distributed, and how policies can be designed to support innovation in a global context. She has been an advisor to international organizations such as the European Commission, UNCTAD, the OECD, and UN-ECLAC. Professor Chaminade has published in international journals, refereed books, and handbooks in the fields of Innovation, Development Studies, and Knowledge Management. Currently she is coordinating two research projects dealing with globalization of innovation: one on technology-driven investments by emerging multinationals in Europe and another on regional variety and global innovation networks, funded by Riksbanken and the Wallenberg Foundation, respectively.

Marcos Domínguez-Torreiro is a Research Fellow at the Competence Centre on Composite Indicators and Scoreboards (COIN) of the Joint Research Centre of the European Commission (Italy), where he conducts research and policy support tasks in the field of Econometrics and Applied Statistics. After his undergraduate studies in Economics and Business Administration, he completed his doctoral thesis in Applied Economics at the University of Vigo, Spain. His past work experience includes the private sector, universities, and public administration. He has co-authored books and research articles dealing with finance, consumer behaviour, environmental and natural resource economics, rural development, and institutional economics.

Soumitra Dutta is the Founding Dean of the College of Business at Cornell University. Previously he was the Anne and Elmer Lindseth Dean at the Samuel Curtis Johnson Graduate School of Management at Cornell University, New York. Prior to July 2012, he was the Roland Berger Chaired Professor of Business and Technology at INSEAD and the founding director of eLab, a centre of excellence in the digital economy. His current research is on technology strategy and innovation policies at both corporate and national levels. He has won several awards for research and pedagogy and is actively involved in strategy and policy consulting. His research has been showcased in the global media and he has received a number of awards, including the Light of India Award '12 (from the Times of India media group) and the Global Innovation Award '13 (from INNOVEX in Israel). Professor Dutta obtained his PhD in Computer Science and his MSc in Business Administration from the University of California at Berkeley.

Jakob Edler is Professor of Innovation Policy and Strategy, and Executive Director of the Manchester Institute of Innovation Research, Alliance Business School, University of Manchester. His research interests lie in the analysis and conceptualization of governance and policy in science and innovation, with a focus on demand-side innovation policy and public procurement of innovation, and more recently on the governance of responsible research and innovation. He also works on the impact of science and innovation policy, the internationalization of research and innovation activities, and related policies. Professor Edler's research has been funded by the UK Research Council, international organizations (such as the EU, the OECD, and WIPO), and numerous national and regional bodies in many European countries. He has been appointed to numerous national and international advisory committees, and is a member of the German National Academy for Science and Engineering (Acatech) and the Austrian Council for Research and Technological Development. He is President Elect of the association of institute in STI policy Eu-SPRI. He holds a PhD in Political Science from the University of Mannheim, a Master in Political Science/Economic History, and a Master in Business Administration. He has been a Fulbright Scholar at Dartmouth College, Hanover, New Hampshire, USA.

Kai Engel, Partner and Managing Director for Germany, A.T. Kearney, is the Global Lead Partner for A.T. Kearney's Innovation Services Practice. He led numerous consulting projects to improve operations excellence in large corporations along the value chain. The projects focused on increasing clients' capabilities in the areas of innovation and product creation management, manufacturing efficiency as well as its manufacturing network set up, supply chain management, and supply management. He has served large global corporate clients as well as mid-sized companies and governmental organizations representing industries such as automotive, aerospace and defence, consumer goods, engineering, high tech, machinery, process, chemicals, and private equity funds. He co-founded the European Innovation Management Academy, and, in coordination with the EU Commission, the IMP³rove platform that provides knowledge-intensive services to small- and medium-sized businesses around the globe. Dr Engel regularly chairs top executive roundtables and is a frequent speaker for business and industry conferences—for example, @ Harvard's European Conference on Competitiveness. He has authored several books including *Masters of Innovation* (LID Publishing, 2015). Dr Engel serves on the supervisory board of the European Innovation Management Academy (www.improve-innovation.eu) and advised on the World Economic Forum's Fostering Innovation-Driven Entrepreneurship in Europe and Collaborative Innovation initiatives. Dr Engel studied Mechanical Engineering, focusing on production and material technologies. He earned his PhD in Laser Technology and holds a degree in Business Administration.

Rafael Escalona Reynoso has been Lead Researcher at the Global Innovation Index since October 2013. His previous professional experience includes working as Economic and Science and Technology Policy Advisor to the Senate of Mexico and as a member of the Trade and Foreign Investment Advisory Board at the office of the President of Mexico. His research experience at Cornell University includes comparative studies between Mexico and Spain on the regulatory aspects of modern biotechnology and the biosafety of genetically modified organisms (GMOs), and on the reach of intellectual property rights (IPRs) in the information technologies era. He holds a PhD in Regional Planning and a Master of Public Administration from Cornell University as well as a BA in Economics from Universidad Panamericana in Mexico.

Alan Finkel commenced as Australia's Chief Scientist on 25 January 2016. He is Australia's eighth Chief Scientist. He has an extensive science background as an entrepreneur, engineer, neuroscientist, and educator. Prior to becoming Chief Scientist, he was the Chancellor of Monash University and President of the Australian Academy of Technology and Engineering (ATSE). Dr Finkel was awarded his PhD in Electrical Engineering from Monash University and worked as a postdoctoral research fellow in Neuroscience at the Australian National University. In 1983 he founded Axon Instruments, a California-based, Australian-listed company that made precision scientific instruments used in pharmaceutical companies and universities. After Axon was sold in 2004, Dr Finkel became a director of the acquiring company, NASDAQ-listed Molecular Devices. In 2006, he returned to Australia. He led the amalgamation that formed the Florey Neuroscience Institutes; he became Chair of the Australian Centre of Excellence for All-Sky Astrophysics and was a director of the diagnostics company Cogstate Limited. He was Executive Chair of the educational software company Stile Education, Chair of Manhattan Investment Group, Chief Technology Officer of Better Place Australia, and Chair of Speedpanel Australia. Committed to science education, Dr Finkel co-founded Cosmos Magazine, which, in addition to magazine publishing, operates a secondary schools science education programme. At ATSE, he led the development and implementation of the STELR programme for secondary school science, which has been adopted in nearly 500 Australian schools. Dr Finkel also established the Australian Course in Advanced Neuroscience to train early career neuroscientists and is patron of the Australian Science Media Centre.

Oliver Gassmann is Professor of Technology and Innovation Management at the University of St. Gallen and Managing Director of the Institute of Technology Management. Until 2002, he worked for Schindler and led its Corporate Research as VP Technology Management. He is co-founder of the BMI-Lab, GLORAD, BGW, and Avatarion. He has authored over 350 publications and several books on the management of innovation. His book *The Business Model Navigator* by Financial Times and Pearson has rapidly become a bestseller. He is one of the most-cited innovation researchers as well as the most-published author in *R&D Management*. In 2014, he was nominated for the Scholarly Impact Award as a leading researcher by the prestigious *Journal of Management*. He serves as a member on several academic, economic, and political boards and has coached several Fortune 500 companies in innovation and growth strategies.

Leonid Gokhberg is First Vice-Rector of the Higher School of Economics (HSE)—one of the most prominent research universities in Russia. He is also Director of the HSE Institute for Statistical Studies and Economics of Knowledge (ISSEK). Professor Gokhberg's area of expertise is statistics and indicators on science, technology and innovation as well as foresight and policy studies in this area. He has authored over 400 publications in Russian and international peer-reviewed journals, monographs, and university textbooks. Professor Gokhberg has coordinated dozens of national and international projects, including some aimed at establishing statistical frameworks for measuring innovation in industry; services and agriculture; and engineering and industrial design, emerging technologies and nanotechnology in particular; national S&T Foresight-2025 and 2030, sectorial and regional foresight and roadmapping exercises; understanding innovation behaviour of companies; surveying public awareness of S&T and innovation; developing methodologies for evaluation of public research institutions, measuring efficiency of S&T policies, and so on, funded by public agencies, businesses, and international organizations. Professor Gokhberg has served as a consultant of the OECD, Eurostat, UNESCO, and other international and national agencies. He is also a member of the GII Advisory Board, the OECD Government Foresight Network, and OECD and Eurostat working groups and task forces on indicators for S&T and innovation and information society and education, as well as steering committees of various prestigious international and national initiatives. Professor Gokhberg is Editor-in-Chief of the Scopus-indexed scientific journal *Foresight and STI Governance* (<http://foresight-journal.hse.ru/en>), editor of the Springer academic book series *Science, Technology, and Innovation Studies*, and participates on the editorial boards of several other influential journals. He holds PhD and Dr. of Sc. degrees in Economics.

Lucía Gómez is a PhD candidate in Economic Geography at Turku School of Economics, with Master's degrees in Urban Management and Development (Erasmus University Rotterdam) and History, Art, Architecture, and Cities (Polytechnic University of Catalonia). Her professional experience spans more than 25 years in architectural design and development cooperation in developing countries and conflict areas in Europe, Africa, and South America. Currently she is carrying out research on trends in foreign direct investments, the emergence of investment growth hubs in the global South, and the impact of different types of multinational enterprises on urban economic development, with a focus on Latin America. In particular, she analyses the potential contributions by MNEs to innovation systems, in host urban economies.

Gopichand Katragadda is the Group Chief Technology Officer for Tata Sons. In this role, he drives technology and innovation for the Tata conglomerate, leveraging cross-company synergies. He is a director on the boards of select Tata companies. Previously, as the Chairman and Managing Director of GE India Technology Centre, he facilitated funding of cross-business innovation, championed the commissioning of new research labs, developed research teams, and helped build GE's largest R&D Centre—the John F. Welch Technology Centre (JFWTC). Under his leadership, the JFWTC team was contributing to over 300 US patents a year. Dr Katragadda also served as the Chairman for GE-BEL. Before joining GE, he worked with Karta Technologies, San Antonio, Texas, as Vice President of Research and Development. At Karta, he led the development of advanced sensor technology for US government agencies and research consortiums. He also was an Adjunct Professor at the University of Texas and served on the Board of Directors for Texas Public Radio. Dr Katragadda provides the voice of technology for various Industry bodies in India, including CII and NASSCOM. He is the India Chair for the Technology track of the Indo-UK Joint Economic and Trade Committee, which facilitates the government-to-government negotiations on market liberalization. He chairs the India Development Panel and is a Fellow of the Institute of Engineering and Technology. He is also on the India Council for the Anita Borg Institute. He is a GE Certified Six Sigma Master Black Belt. Dr Katragadda has over 30 publications and five patents. He has authored a book on innovation, *SMASH*, published by Wiley. He holds MS and PhD degrees in Electrical Engineering from Iowa State University, Ames, Iowa.

Hyunjee Hannah Kim is a PhD student at the Organizational Behavior and Human Resource Management Division at Seoul National University; advisor: Professor Jin Nam Cho. Her research studies how team members with different cultural backgrounds affect team creativity and innovations by examining team dynamics, such as members' knowledge management behaviours and team mood contagion. She is ultimately interested in understanding ways to make global teams work effectively to achieve creative performance and innovations despite the challenges they face. She was also a member of the Work, Technology, and Organization lab at Management of Science & Engineering department at Stanford University; advisor: Professor Pamela Hinds. At Stanford, through a series of experiments, she studied how teams with different cultural backgrounds exhibit different levels of engagement, learning, and creative efficacy in iterative prototyping work practices, which played a critical role in achieving the team's creative performance. Previous to her academic career, she was a Management Consultant for Boston Consulting Group for about six years, in both the Seoul and San Francisco offices. She earned an MBA degree from Harvard Business School in 2007 and a BBA from Yonsei University in the Republic of Korea in 2002.

Bruno Lanvin is INSEAD's Executive Director for Global Indices. From 2007 to 2015 he was the Executive Director of INSEAD's eLab, managing INSEAD's teams in Paris, Singapore, and Abu Dhabi and then Executive Director for INSEAD's European Competitiveness Initiative (IECI). From 2000 to 2007 Dr Lanvin worked for the World Bank, where he was inter alia Senior Advisor for E-strategies and Regional Coordinator (Europe and Central Asia) for ICT and e-government issues. He also headed the Capacity Building Practice of the World Bank's Global ICT Department and was Chairman of the Bank's e-Thematic Group. From June 2001 to December 2003, he was the Manager of the Information for Development Program (infoDev) at the World Bank. In 2000 Dr Lanvin was appointed Executive Secretary of the G8-DOT Force. Until then, he was Head of Electronic Commerce in the United Nations Conference on Trade and Development (UNCTAD) in Geneva, and occupied various senior positions including Chief of the Cabinet of the Director General of the United Nations in New York, Head of Strategic Planning, and later Chief of the SME Trade Competitiveness Unit of UNCTAD/SITE. He was the main drafter, team leader, and editor of *Building Confidence: Electronic Commerce and Development*, published in January 2000. Since 2002, he has been co-authoring *The Global Information Technology Report* (INSEAD-World Economic Forum-Cornell University); he is currently the co-editor of the *Global Innovation Index* report (INSEAD-WIPO-Cornell University). In 2013, he created and launched the first edition of the *Global Talent Competitiveness Index* (GTCI), and still is the co-editor of this annual report. He holds a BA in Mathematics and Physics from the University of Valenciennes (France), an MBA from Ecole des Hautes Etudes Commerciales (HEC) in Paris, and a PhD in Economics from the University of Paris I (La Sorbonne) in France. A frequent speaker at high-level meetings, he advises a number of global companies and governments and is a member of numerous boards, including those of ICANN and IDA-Infocomm in Singapore.

Seonjoo Lee is the Head of Investor Relations at AmorePacific Group. She has been leading Investor Relations for more than 10 years, having successfully gone through significant changes in the company, including its transition into a holding company structure, its stock split procedure, and so on. Before joining the company in 2006, she worked at Edelman, a global communications marketing firm, as a Communications Specialist providing public relations consulting services to various multinational companies.

Lim Chuan Poh was appointed Chairman A*STAR on 1 April 2007 to lead A*STAR in advancing science and developing innovative technology to further economic growth and improve lives. Appointed as Deputy Chairman of A*STAR in November 2006, Mr Lim has been a Board Member of the Nanyang Technological University (NTU) since 2003 and the National Research Foundation since January 2006. He is currently the Chairman of the Governing Board of the Lee Kong Chian School of Medicine, a joint medical school of NTU and Imperial College. He co-chairs the Health and Biomedical Sciences and the National Cybersecurity R&D Executive Committee, and is a member of the Advanced Manufacturing and Engineering Executive Committee. He is also a member of the Singtel Technology Advisory Panel (TAP). Mr Lim has been an Adjunct Professor of the Lee Kuan Yew School of Public Policy (LKYSPP) at the National University of Singapore (NUS) since July 2013. Internationally, Mr Lim is a board and council member of the Science and Technology in Society (STS) forum; a member of Japan's World Premier International (WPI) Initiative Programme Assessment and Review Committee since 2007; and a special committee member of the Japan Science and Technology Agency (JST) Advisory Committee since 2014. He became a founding member of the Frost and Sullivan Board of Governors of the Economic Development Innovation Council in 2014. Prior to A*STAR, Mr Lim was Permanent Secretary at the Ministry of Education (MOE). Before joining the MOE, he spent 23 years with the Singapore Armed Forces and last held the office of Chief of Defence Force. Mr Lim graduated with a BA (Hons) from Cambridge University in 1983, and received an MA from Cambridge University in 1988, as well as an MBA from Cornell University in 1993. He attended the Advanced Management Program at Harvard Business School in 2003. He has also been conferred honorary doctorates from Loughborough (2008), Monash (2009), and Arizona State University (2012), as well as a Fellowship of Imperial College (2010).

Jordan Litner joined Cornell University in July 2015. He is the Project Manager of the Global Innovation Index 2016. His previous professional experience includes working as an Account Supervisor of E-commerce and Digital Marketing with Fortune 500 companies at iProspect in Boston, Massachusetts, USA. Prior to that, he was a coordinator for study abroad programming with the Institute for Study Abroad (IFSA), Butler University, which involved student recruitment, marketing and social media development, and university outreach. He obtained his Bachelor of Arts from the Johns Hopkins University in Baltimore, Maryland, where he studied Economics and Applied Mathematics & Statistics. He is currently continuing his education at the College of Business at Cornell University.

Garry Lyons is Chief Innovation Officer for MasterCard. In this role, he leads both the digital payments and MasterCard Labs businesses, consolidating the development and delivery of emerging digital payments solutions to ensure a simple, safe, and high-quality consumer and merchant experience. He sits on the company's Management Committee. In 2010, Mr Lyons led the launch of MasterCard Labs, the company's global research and development arm concentrating on payments innovation, delivering additional consumer shopping convenience with greater speed than ever before. MasterCard Labs is focused on looking at how advances in technology and consumer trends can help create new products and solutions. As part of its remit, the team also works with the global start-up community. Mr Lyons has more than 20 years of experience in the software and financial services industries, primarily focused on innovation and on the technology and business development aspects of deploying complex, large-scale payment systems. He was Chief Executive Officer of Orbiscom, a leading provider of innovative payment solutions to the global financial services industry, prior to its acquisition by MasterCard in 2008. He was with Orbiscom since its incorporation in early 1999, when he was recruited by its founders to take responsibility for all aspects of technology, innovation, delivery, and support. Prior to joining Orbiscom, Mr Lyons held various senior technology positions in Cognotec, Credo, and ICL. He was recognized as one of Forbes' Next Gen Innovators in 2014. Mr Lyons is a technologist by training, with a Bachelor of Science in Computer Applications from Dublin City University. He is a member of the board of directors of Datalex plc as a non-executive director.

Erik Peterson is a Partner at A.T. Kearney and Managing Director of the firm's Global Business Policy Council (GBPC), a strategic advisory service designed to provide insight and analysis to the world's foremost CEOs. Under his leadership, the GBPC was recognized early this year (for the fourth consecutive time) as one of the leading for-profit think tanks in the world. Mr Peterson is also a Senior Advisor at the Center for Strategic and International Studies (CSIS), the Washington, DC-based bipartisan and nonprofit think tank on foreign policy and national security issues. Formerly he was Senior Vice President at CSIS. He also held the CSIS William A. Schreyer Endowed Chair in Global Analysis. Before joining CSIS, Mr Peterson was Director of Research at Kissinger Associates, the international consulting firm chaired by former Secretary of State Henry A. Kissinger. Mr Peterson has lectured in 42 countries and 48 US states. He has addressed numerous groups (including the World Economic Forum and TED) on foresight, global trends, scenario planning, strategic planning, technology innovation, and supply-chain management. Mr Peterson received an MBA from the Wharton School, an MA from The Johns Hopkins University School of Advanced International Studies (SAIS), and a BA from Colby College. He holds a Certificate of Eastern European Studies from the University of Fribourg and a Certificate in International Legal Studies from the Hague Academy of International Law. In 2011, he completed the certificate programme on scenario studies at the Oxford University Saïd School of Business.

Jeehye (Jennifer) Rho is Senior Vice President in charge of Group Strategy at AmorePacific Group. She focuses on mid- to long-term strategy development, covering global expansion strategy, organic and inorganic new business development, and corporate-wide digital and retail transformation. Prior to joining AmorePacific Group, she worked at LG Electronics, Boston Consulting Group, and Accenture developing strategies related to technology, innovation, and globalization. She holds an MBA from Harvard Business School and an MA and a BA in International Relations from Seoul National University.

Vitaliy Roud is Researcher and Scientific Coordinator at the Laboratory for Economics of Innovation of the National Research University Higher School of Economics and at the HSE Institute for Statistical Studies and Economics of Knowledge. He has participated in a number of research and policy advice projects initiated by the Russian state bodies and enterprises, including several national-level foresight initiatives. His academic interests include empirical studies of innovation; evidence-based innovation policy; the methodology of innovation surveys; science, technology, and innovation (STI) statistical indicators; and STI policy design and evaluation. He holds a Lecturer position in the Master's programme Governance of Science, Technology and Innovation in the NRU HSE and delivers courses in various areas of the economics of innovation and methods for empirical studies of STI.

Martin Ruppert is Managing Director of IMP³rove – European Innovation Management Academy (www.improve-innovation.eu) and a core team member of the Innovation and R&D Management practice at A.T. Kearney. Building on numerous consulting projects, he has comprehensive experience in innovation management, ranging from innovation strategy development and innovation project portfolio analysis to the development of innovative business models. He has been seconded to the World Economic Forum to manage the initiative Fostering Innovation-Driven Entrepreneurship in Europe. Moreover, he was adviser for the World Economic Forum's follow-on initiative Collaborative Innovation. Dr Ruppert holds a PhD from the Graduate School of Risk Management at the University of Cologne and a Diploma in the combined studies of Mathematics and Business Administration from TU Darmstadt.

Michaela Saisana leads the European Commission's Competence Centre on Composite Indicators and Scoreboards (COIN) at the Joint Research Centre in Italy. She conducts and coordinates research on the monitoring of multi-dimensional phenomena that feed into EU policy formulation and legislation. She collaborates, by auditing performance indices, with over 100 international organizations and world-class universities, including the United Nations, UNICEF, Transparency International, the World Economic Forum, INSEAD, the World Intellectual Property Organization, Yale University, Columbia University, and Harvard University. Her publications deal with composite indicators, multi-criteria analysis, multi-objective optimization, data envelopment analysis, and sensitivity analysis (20 peer-reviewed articles, 2 books, 60 working papers). She provides regular trainings/seminars on composite indicators (over 30 trainings and 60 invited lectures). In 2004 she was awarded the European Commission's JRC Young Scientist Prize in Statistics and Econometrics in recognition of her research on composite indicators. She has a PhD and an MSc in Chemical Engineering.

Kritika Saxena is an Economist Intern at the World Intellectual Property Organization (WIPO). Her research interests cover the broad areas of innovation, development, and the environment, with a particular focus on the role of public policies and finance in innovation and green growth. Before joining WIPO, she was Research Analyst at the World Bank in New Delhi, where she contributed to policy-oriented research and flagship reports. She has worked in various capacities on research projects with the Jameel Poverty Action Lab (India), the National Council of Applied Economic Research (India), and the Overseas Development Institute (United Kingdom). She is currently pursuing a Master's degree in International Economics from the Graduate Institute (IHEID) in Geneva. She also holds a Master of Development Economics from the University of East Anglia, United Kingdom.

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