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## Contributors

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**Knut Blind** is Professor of Innovation Economics in the Faculty of Economics and Management at the Technische Universität Berlin, Germany. He also holds the endowed Chair of Standardisation at the Rotterdam School of Management at Erasmus University. He received a BA from Brock University, Canada, and his Diploma in Economics and doctorate from Freiburg University, Germany. Between 1996 and 2010, he worked at the Fraunhofer Institute for Systems and Innovation Research ISI, Karlsruhe, Germany. Since 2010, he has been associated with the Fraunhofer Institute of Open Communication Systems FOKUS in Berlin.

**Paul Cunningham** is Senior Research Fellow and Director of the Manchester Institute of Innovation Research at the Alliance Manchester Business School, University of Manchester, UK. His research interests encompass a range of related fields in science, technology and innovation (STI) policy, including: innovation and R&D evaluation methodologies; STI policy governance; collaboration between higher education institutions and industry; quantitative measures of R&D performance and STI indicators; transnational scientific collaboration; and international STI policy. He has undertaken numerous evaluations, reviews and studies for a wide range of bodies, and his work has been influential in the development and formulation of STI policy at a variety of levels, within and outside of the UK.

**Jakob Edler** is Professor of Innovation Policy and Strategy and Executive Director of the Manchester Institute of Innovation Research at the Alliance Manchester Business School, University of Manchester, UK. His fields of expertise comprise the governance of science, technology and innovation systems, responsible research and innovation, and the analysis and conceptual development of research, technology, development and innovation policies and instruments, including demand-based innovation policy, the internationalisation of science, technology and innovation policy and corporate innovation strategies. He has advised the European Union, OECD and a range of governments and has led projects for numerous international funding bodies. He was elected into the German National Academy of Science and Engineering in 2013.

**Kieron Flanagan** is Senior Lecturer in Science and Technology Policy at the Manchester Institute of Innovation Research, University of Manchester, UK. Over more than 15 years he has taught and researched a wide range of science policy issues. He has special interests in the roles science and technology play in local and regional economic development and in the implications of an increasingly globalised scientific enterprise for national science policies. He has also written on policy dynamics, including work on rationales for

science and technology policies and on the implications for innovation policy analysis of taking the 'policy mix' seriously. He is an active commentator on science policy issues in the specialist press, on social media and as a contributor to the *Guardian* newspaper's science policy blog.

**Abdullah Gök** is a Lecturer in Innovation, Strategy and Business Economics at the Manchester Institute of Innovation Research at the Alliance Manchester Business School, University of Manchester, UK. His research focuses on the formulation, evaluation and impact of science and innovation policy as well as the management, economics and governance of emerging technologies. He was a member of the leadership team of the project underpinning this *Handbook*. He also teaches at undergraduate, post-graduate and executive levels, including directing the Executive Short Course on Evaluation of Science and Technology Policies. He holds a PhD in Innovation Studies (Manchester), an MSc in Science and Technology Policy Studies and a BSc in Economics. Prior to joining the Manchester Institute of Innovation Research, he worked at the Scientific and Technological Research Council of Turkey (TUBITAK).

**Damian Grimshaw** is Professor of Employment Studies and Director of the European Work and Employment Research Centre (EWERC) at the Alliance Manchester Business School, University of Manchester, UK. His research interests include non-standard employment, minimum wages, low-wage service work and procurement practices. Sponsors of his research projects include the European Commission (DG Employment), the International Labour Organization, the Equality and Human Rights Commission, and EuroFound.

**Jennifer Cassingena Harper** has been engaged with Malta Council for Science and Technology (MCST) since 1989 in various capacities. Until 2011, she was Director of Policy, Strategy, FP7 and International with core responsibility for National Research and Innovation Strategy and Foresight. She coordinated and participated in European Union Framework Programme projects on foresight and research and innovation policy. She retains a part-time consultancy role with MCST on strategy, policy and foresight and an expert role on foresight with European Training Foundation. She is active at European and international levels as adviser, reviewer and expert group member.

**Barbara Jones** is a member of the Manchester Institute of Innovation Research and the European Work and Employment Research Centre at the University of Manchester, UK, and is Visiting Research Fellow, Facultad de Educación, the University of Salamanca, Spain. An economics graduate of the London School of Economics, she completed her master's and doctoral studies at the University of Manchester. Her research interests include the political economy of technological change and innovation and the relationship between work, learning, skills and training in new and emerging technology areas. She is the author (with Bob Miller) of *Innovation Diffusion in the New Economy: The Tacit Component* (Routledge, 2008).

**Christian Köhler** is a researcher at the Centre for European Economic Research (ZEW), Mannheim, Germany. He works in the Department of Industrial Economics and International Management. His research focuses on microeconomic analyses of innovation behaviour at the firm level, including determinants of R&D investment such as public funding, competition and vertical relationships. He has contributed to numerous studies in the area of innovation policy for the European Union and national governments.

**Philippe Larédo** is Directeur de Recherche at Université de Paris-Est (Ecole des Ponts, IFRIS), France, and a Professor with the Manchester Institute of Innovation Research at the Alliance Manchester Business School, University of Manchester, UK. His research interests are in emerging sciences and breakthrough innovation and in research and innovation policies. Recent work on the former focuses on market construction, while policy-oriented work deals with new evaluation approaches for assessing the societal impacts of public research, and the development of 'positioning indicators' in a distributed European research infrastructure.

**Ronnie Ramlogan** is a Senior Lecturer at the Alliance Manchester Business School, and a member of the Manchester Institute of Innovation Research, University of Manchester, UK. He has broad research interests in the area of innovation studies, focusing on such issues as the economics of innovation, innovation management, growth of knowledge, health innovation and university–industry dynamics. He has published numerous articles and book chapters and co-edited three books on issues related to innovation.

**Christian Rammer** is Senior Researcher at the Centre for European Economic Research (ZEW), Mannheim, Germany, and Deputy Head of ZEW's Department of Industrial Economics and International Management. His main research interest is innovation economics, with a focus on innovation activities of firms and technology transfer between industry and academia. He directs the German innovation survey as part of the European Union Community Innovation Survey Programme. He has been involved in a large number of innovation policy studies at national and European levels, including evaluations of R&D support programmes.

**John Rigby** is a Senior Research Fellow with the Manchester Institute of Innovation Research at the Alliance Manchester Business School, University of Manchester, UK. He read history at Cambridge and then completed a PhD at the University of Manchester on public policy design and evaluation. His research interests extend around the whole policy cycle from design and development through implementation to evaluation and impact assessment. His work is concerned mainly with innovation policy programme design and with science policy, where he uses bibliometric methods to examine the interaction between research performers and funding bodies. He has led a number of high-profile studies, including the DG Enterprise study on the feasibility of European Union support to the procurement of innovation in 2010 and, more recently, the evaluation of the UK SBRI for Innovate UK in 2015.

**Philip Shapira** is Professor of Innovation, Management and Policy at the Manchester Institute of Innovation Research at the Alliance Manchester Business School, University of Manchester, UK, and Professor of Public Policy at Georgia Institute of Technology, Atlanta, USA. His interests include science, technology and innovation management and policy, the analysis and governance of emerging technologies, regional innovation, and policy evaluation. He co-edited *The Theory and Practice of Innovation Policy: An International Research Handbook* (Edward Elgar, 2010) and chaired the US National Academies Panel on 21st Century Manufacturing: The Role of the Manufacturing Extension Partnership Program of the National Institute of Standards and Technology (2013). He is a Fellow of the Royal Society of Arts.

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**Jan Youtie** is Director of Policy Research Services and Principal Research Associate at Georgia Tech's Enterprise Innovation Institute and an adjunct with the School of Public Policy at Georgia Institute of Technology, USA. Her research focuses on technology-based economic development, emerging-technology assessment, manufacturing competitiveness, regional innovation clusters, and innovation and knowledge measurement and evaluation. She is a founder of the Georgia Tech Program in Science, Technology, and Innovation Policy and serves as Co-Principal Investigator of the Center for Nanotechnology in Society at Arizona State University, USA.