

## APPENDIX B. LIST OF PARTICIPANTS AND CONTRIBUTORS

This section lists the participants of all six workshops conducted in the course of this study: *Sao Paulo*, Brazil (November 2011); *Arlington-US* (June 2012); *Leuven*, Belgium (September 2012); *Seoul*, Republic of Korea (October 2012); *Beijing*, People's Republic of China (October 2012); and *Arlington-final* (final presentation of findings, December 2012). (Appendix A gives workshop details.) This section also indicates the individuals who contributed to the report. After each person's institution is a key to his or her role. For example, "[Arlington-US]" means the person attended the June 2012 workshop in Arlington, VA, US; "[contributor]" means the person has made a contribution to this report by writing sections of text; "[webcast]" indicates attendance at the final Arlington workshop via webcast. Institutional affiliations are as of the date of the workshop(s) attended.

Sumanta Acharya National Science Foundation USA [Arlington-final]	Giorgio Ascoli George Mason University USA [Arlington-US; contributor]	Philippe Bardet George Washington University USA [contributor]
George B. Adams Network for Computational Nanotechnology USA [contributor]	Masafumi Ata National Institute of Advanced Industrial Science and Technology Japan [Seoul]	Linda Barker [webcast]
Mike Adams University of Birmingham UNILEVER UK [Leuven]	Dan Atkins Michigan State University USA [Arlington-US]	Matthew E. Bates U.S. Army Corps of Engineers USA [contributor]
Sung-Hoon Ahn Korea National University Korea [Seoul]	Marietta Baba Michigan State University USA [Arlington-US; webcast; contributor]	Marie-Ange Baucher Organization for Economic Co-operation and Development France [webcast]
Rosa Alegria Pontifical Catholic University São Paulo Brazil [São Paulo]	Toshio Baba Japan Science and Technology Agency Japan [Seoul; webcast]	Paulo Beirão National Council for Scientific and Technological Development Brazil [São Paulo]
Jacqueline Allan Organization for Economic Co- operation and Development COUNTRY [Leuven; webcast]	Guillermina Baena National Autonomous University of Mexico Mexico [São Paulo]	Larry Bell Museum of Science Boston USA [Arlington-US; contributor]
David Allen The University of Texas at Austin USA [contributor]	Chunli Bai Chinese Academy of Sciences PRC [Beijing]	Gregory Benford California Institute of Technology USA [Arlington-US]
Pedro Alvarez Rice University USA [Arlington-US; contributor]	William S. Bainbridge National Science Foundation USA [Arlington-US; Arlington- final; contributor]	Rosalyn Berne University of Virginia USA [Arlington-US; contributor]
Richard Appelbaum University of California–Santa Barbara USA [Arlington-US; contributor]	Laura Ballerini University of Trieste Italy [Leuven; webcast]	David M. Berube North Carolina State University USA [contributor]
Ramy Arnaut Massachusetts Institute of Technology (MIT) USA [contributor]	Paola Balletti European Commission [Leuven]	Clement Bezold Institute for Alternative Futures USA [Arlington-US; Arlington- final; contributor]
Amanda J. Arnold Massachusetts Institute of Technology (Washington, DC) USA [Arlington-US; Arlington- final; contributor]	Roberto Barbero Office of Science and Technology Policy USA [webcast]	So'Nin Bio National Science Foundation USA [Arlington-final]
		Matteo Bonazzi European Commission Belgium [Leuven]
		Barry Bruce University of Tennessee, Knoxville USA [Arlington-US; contributor]

Eugeniy Bykov Moscow State University Russia [webcast]	Hee Chan Cho Korea National University Korea [Seoul]	Jo De Boeck IMEC-International Belgium [Leuven]
Shushan Cai Tsinghua University PRC [Beijing]	Young Hyun Cho Dongbu Hitek Co. Ltd. Korea [Seoul]	Gilbert Declerck IMEC-International Belgium [Leuven]
Chris Cannizzaro U.S. Department of State USA [Arlington-US; Arlington-final]	Changhwan Choi Hanyang University Korea [Seoul]	Michael DeHaemer World Technology Evaluation Center, Inc. USA [Arlington-US; Arlington-final]
Jian Cao Northwestern University USA [Arlington-US; Leuven; Seoul; Beijing; Arlington-final; contributor]	Eunsun Choi GTC-Korea Korea [Seoul]	Roger De Keersmaecker IMEC Belgium [Leuven]
Alta H. Carim Office of Science and Technology Policy , EOP USA [Arlington-US; Arlington-final]	Jong Suk Choi Korea Institute of Science and Technology Korea [Seoul]	Ivan de la Vega Universidad Simón Bolívar Venezuela [São Paulo]
Esper Cavalheiro Center for Strategic Studies of the Government of Brazil [São Paulo; contributor]	Kuiwon Choi Korea Institute of Science and Technology Korea [Seoul]	Mamadou Diallo California Institute of Technology, and Korea Advanced Institute of Science and Technology USA [Arlington-US; Leuven; Seoul; Beijing; Arlington-final; contributor]
Ralph Cavin Semiconductor Research Corporation USA [contributor]	Young Choi GTC-Korea Korea [Seoul]	Alain C. Diebold University at Albany USA [contributor]
Erwin P. Gianchandani Computing Research Association USA [contributor]	Ken Chong National Institute of Standards and Technology USA [Arlington-US; Arlington-final; contributor]	Eduardo do Couto Center for Strategic Studies of the Government of Brazil [São Paulo]
Ni-Bin Chang National Science Foundation USA [Arlington-final]	Myung-Ae Chung Electronics and Telecommunications Research Institute Korea [Seoul]	Andreas Doenni National Institute for Materials Science Japan [Seoul]
Robert Chang Northwestern University USA [contributor]	Vanessa Clive [webcast]	Robert Doering Semiconductor Research Corp. USA [contributor]
Claudio Chauce Center for Strategic Studies of the Government of Brazil [São Paulo]	Brooke Coley National Science Foundation USA [Arlington-final]	Maurits Doorn Netherlands Organization for Applied Scientific Research Netherlands [São Paulo]
Chen Chen Soochow University PRC [Beijing]	Clark Cooper National Science Foundation USA [Arlington-final]	Dalci Maria dos Santos Federal University of São Paulo Brazil [São Paulo]
Dongyi Chen University of Electronic Science and Technology PRC [Beijing]	Khersed Cooper Naval Research Laboratory USA [Arlington-final]	Judith Droitcou Government Accountability Office USA [Arlington-final]
Hongda Chen U.S. Department of Agriculture USA [webcast]	Genya Dana U.S. Department of State USA [webcast]	Jake Dunagan The Institute for the Future USA [Arlington-US; contributor]
Byung-ki Cheong Korea Institute of Science and Technology Korea [Seoul]	Frederica Darema Air Force Office of Scientific Research USA [Arlington-US; contributor]	Albert Duschl Paris-Lodron University Germany [Leuven]
	Heather Dean AAAS/ National Science Foundation USA [Arlington-final]	

Leon Esterowitz National Science Foundation USA [Arlington-US]	Lieve Goorden University of Antwerp Belgium [webcast]	Greg Horowitz T2 Venture Capital USA [contributor]
Tarek Fadel National Nanotechnology Coordination Office USA [Arlington-final]	Michael E. Gorman University of Virginia USA [webcast; contributor]	Bin Hu Lanzhou University PRC [Beijing]
David Feldman University of California, Irvine USA [Arlington-US; contributor]	Aura Gimm AAAS/Department of Defense USA [webcast]	Frank Huband World Technology Evaluation Center, Inc. USA [Arlington-US; Arlington- final]
Placid Matthew Ferreira University of Illinois at Urbana- Champaign USA [Arlington-US; contributor]	Piotr Grodzinski National Institutes of Health USA [Arlington-US; Arlington- final; contributor]	Victor Hwang T2 Venture Capital USA [contributor]
Lelio Fellows Filho Center for Strategic Studies of the Government of Brazil [São Paulo]	Martin Grueber Battelle USA [contributor]	Yoon-Hwae Hwang Pusan University Korea [Seoul]
Joe Filvarof Woodrow Wilson International Center for Scholars USA [Arlington-final]	Ram Gupta National Science Foundation USA [Arlington-final]	Sujin Hyung Korea Institute of Science and Technology Korea [Seoul]
Erik Fisher Arizona State University USA [Arlington-US; contributor]	Bruce Hamilton National Science Foundation USA [contributor]	Takanori Ichiki University of Tokyo Japan [Seoul]
Patricia Foland World Technology Evaluation Center, Inc. USA [São Paulo, Arlington-US; Leuven; Seoul; Beijing; Arlington-final]	Hyejin Han Korea Food and Drug Administration Korea [Seoul]	Ramjitti Indaraprasirt NANOTEC Thailand [webcast]
Stephen J. Fonash Pennsylvania State University USA [contributor]	Barbara Harthorn University of California Santa Barbara USA [Leuven; webcast; contributor]	Chennupati Jagadish Australian National University Australia [Beijing; webcast]
Christy Foran U.S. Army Engineer Research and Development Center USA [Arlington-final]	Tsuyoshi Hasegawa National Institute for Materials Science Japan [Seoul]	Heejin Jang Technovalue Korea [Seoul]
Lisa Friedersdorf National Nanotechnology Coordination Office USA [Arlington-final]	James Heath California Institute of Technology USA [Arlington-US; contributor]	In Soo Jeon Ministry of Education, Science, and Technology Korea [Seoul]
Takahiro Fujita National Institute for Materials Science Japan [Seoul]	Matthew Henderson World Technology Evaluation Center, Inc. USA [Arlington-US; Leuven; Seoul; Beijing; Arlington-final]	Sang-Ki Jeong Korea Institute of S&T Evaluation and Planning Korea [Seoul]
James Gavigan European Commission EU [Arlington-final]	Michael Hochella, Jr. Virginia Polytechnic Institute and State University USA [Arlington-US; webcast; contributor]	Tianzi Jiang National Laboratory of Pattern Recognition The Chinese Academy of Sciences PRC [Beijing]
Andre Gazso Austrian Academy of Sciences Austria [webcast]	Geoffrey Holdridge National Nanotechnology Coordination Office USA [Arlington-US; Arlington- final]	Xingyu Jiang National Center for Nanoscience & Technology PRC [Beijing]
Erik Goodman Michigan State University USA [contributor]		Minwoong Joe Korea Institute of Science and

Technology Korea [Seoul]	Hak Min Kim Korea Institute of Machinery and Materials Korea [Seoul]	Todd Kuiken Woodrow Wilson International Center for Scholars USA [Leuven; contributor]
Patricia Johnson Johnson Edits USA [Arlington-final]	Hyun Chul Kim GF-Chem Korea [Seoul]	Anastasia Kuusk University of South Australia Australia [webcast]
Lawrence Kabacoff Office of Naval Research USA [Arlington-US]	In-Suk Kim Sungkyunkwan University Korea [Seoul]	Duygu Kuzum Stanford University USA [contributor]
Tom Kalil Office of Science and Technology Policy USA [Arlington-US]	Ji-Hwan Kim Korea National University Korea [Seoul; webcast]	Ick Chan Kwon Korea Institute of Science and Technology Korea [Seoul; webcast]
Hana Kang Hanyang University Korea [Seoul]	Jin Hyung Kim Ministry of Education, Science, and Technology Korea [Seoul]	Ojung Kwon Hanyang University Korea [Seoul]
Keon Wook Kang Seoul National University Korea [Seoul; webcast]	Jiyoung Kim Kookmin University Korea [Seoul]	Robert Langer Massachusetts Institute of Technology USA [Arlington-US; contributor]
Man Kyu Kang Hanyang University Korea [Seoul]	Junghwan Kim Sejong University Korea [Seoul]	Mariano Laplane Center for Strategic Studies of the Government of Brazil [São Paulo]
Sungchul Kang Korea Institute of Science and Technology Korea [Seoul]	Kyoung-Jae Kim Korea Institute of Science and Technology Korea [Seoul]	Deukhee Lee Korea Institute of Science and Technology Korea [Seoul]
Barbara Karn National Science Foundation USA [Arlington-final]	Myung Joon Kim Electronics and Telecom- munications Research Institute Korea [Seoul]	Eungsug Lee Korea Institute of Machinery & Materials Korea [Seoul]
Tomoji Kawai Osaka University Japan [Seoul]	Sangtae Kim Mortgridge Institute USA [Arlington-US; contributor]	Geun Jae Lee Ministry of Education, Science, and Technology Korea [Seoul]
Seiichiro Kawamura Japan Science and Technology Agency Japan [Seoul]	Sukpil Kim Korea Institute of S&T Evaluation and Planning Korea [Seoul]	Haiwon Lee Hanyang University Korea [Seoul]
Takeshi Kawano Toyohashi University of Technology Japan [Seoul]	Yong Joo Kim Korea Electrotechnology Research Institute Korea [Seoul]	Jong-Gu Lee Ministry of Food and Drug Safety Korea [Seoul]
Mitsuo Kawato Advanced Telecommunications Research Institute International Japan [Seoul]	Young Keun Kim Korea University Korea [Seoul]	Jo-Won Lee Hanyang University Korea [Seoul; contributor]
Pradeep Khosla Carnegie Mellon University USA [Arlington-US]	Yoonsun Kim SungKyunKwan University Korea [Seoul]	Kwang Ryeol Lee Korea Institute of Science and Technology Korea [Seoul]
Chang Woo Kim National Nanotechnology Policy Center Korea [Seoul]	Julian Kinderlerer University of Cape Town South Africa [Leuven]	Kwyro Lee National NanoFab Center Korea [Seoul]
CheolGi Kim Chungnam National University Korea [Seoul]	Chin Hua Kong Indiana University USA [Arlington-US; contributor]	

Kyu Back Lee Korea National University Korea [Seoul]	Max Lu University of Queensland Australia [Beijing]	Michael A. Meador National Aeronautics and Space Administration USA [Arlington-US; Arlington- final; contributor]
Sang-Rok Lee Korea Institute of Machinery & Materials Korea [Seoul]	Mark Lundstrom Purdue University USA [Arlington-US; Leuven; Seoul; Beijing; Arlington-final; contributor]	Celia Merzbacher Semiconductor Research Corporation USA [contributor]
Soobum Lee Hanyang University Korea [Seoul]	Xiaomin Luo BGI (Genomics) PRC [Beijing]	Javier Medina Vasquez Universidad de Cali Colombia [São Paulo]
Soo-Hong Lee Sejong University Korea [Seoul]	Elizabeth Lyons U.S. Department of State National Science Foundation USA [Arlington-final]	Paolo Milani University of Milan Italy [Leuven]
Young Jik Lee Electronics and Telecommu- nications Research Institute Korea [Seoul]	Alexander MacDonald National Aeronautics and Space Administration USA [Arlington-US; Arlington- final; contributor]	Evando Mirra de Paula e Silva Center for Strategic Studies of the Government of Brazil [São Paulo]
Errol Levy European Union [Arlington-final]	Donald MacGregor MacGregor Bates, Inc. USA [contributor]	Tanya Monro University of Adelaide Australia [Beijing]
Wei Li International Joint Cancer Institute, The Second Military Medical University PRC [Beijing; webcast]	Marc Madou University of California, Irvine USA [Arlington-US; contributor]	Luc Mortelmans Department of Nuclear Medicine University Hospital “Gasthuisberg”, Leuven Belgium [Leuven]
Chuck Liarakos National Science Foundation USA [Arlington-US; contributor]	Roop Mahajan Virginia Polytechnic Institute and State University USA [Arlington-US; contributor]	James Murday University of Southern California USA [Arlington-US; Leuven; Seoul; Beijing; Arlington-final; contributor]
Hanjo Lim Ajou University Korea [Seoul]	Jonathan Manton University of Melbourne Australia [Beijing; contributor]	Padraig Murphy Dublin City University Ireland [webcast]
Stuart Lindsay Arizona State University USA [contributor]	Mira Marcus-Kalish Tel Aviv University Israel [Leuven; webcast]	Shinnya Nakamoto Japan Science and Technology Agency Japan [Seoul]
Igor Linkov U.S. Army Corps of Engineers USA [contributor]	Manuel Mari Ministry of Science and Technology Argentina [São Paulo]	Milos Nesladek Academy of Sciences of the Czech Republic University of Hasselt MINATEC Czech Republic [Leuven]
Minghua Liu Institute of Chemistry, Chinese Academy of Sciences PRC [Beijing]	René Martins European Commission Belgium [Leuven; webcast]	Amy Newhart National Science Foundation USA [Arlington-final]
Witold Lojkowski Institute of High Pressure Physics Poland [webcast]	Robert Mason University of Washington USA [Arlington-US; contributor]	Leah Nichols National Science Foundation USA [Arlington-final]
Aaron Lovell Woodrow Wilson International Center for Scholars USA [Arlington-US; Arlington- final]	Kazuyo Matsubae Tohoku University Japan [Seoul]	Alfred Nordman Darmstadt Technical University Germany [Leuven]
Ian Lowe Griffith University Australia [Beijing]	Anne McLaughlin North Carolina State University USA [Arlington-US; webcast; contributor]	

James Olds George Mason University USA [Arlington-US; Leuven; Seoul; Beijing; Arlington-final; contributor]	USA [Arlington-US; Arlington- final]	Maurizio Salvi European Commission Belgium [Leuven]
Aude Oliva Massachusetts Institute of Technology USA [Arlington-US; webcast; contributor]	Melur Ramasubramanian National Science Foundation USA [Arlington-US]	Yves Samson Alternative Energies and Atomic Energy Commission France [Leuven; webcast]
Fernando Ortega de San Martin National Council for Science, Technology and Innovation Peru [São Paulo]	Sohi Rastegar National Science Foundation USA [Arlington-US]	Anders Sandberg University of Oxford UK [Leuven]
Halyna Paikoush World Technology Evaluation Center, Inc. USA [Arlington-US; Arlington- final]	Paulo Antonio Rebelo PETROBRAS Brazil [São Paulo]	Nora Savage U.S. Environmental Protection Agency USA [Arlington-US; Arlington- final; contributor]
Y. Eugene Pak Korea National University Korea [Seoul]	David Rejeski Woodrow Wilson International Center for Scholars USA [Arlington-US; Arlington- final; contributor]	Walt Scacchi University of California, Irvine USA [Arlington-US; contributor]
Choonsun Park SK Hynix, Inc. Korea [Seoul]	Fernando Rizzo Center for Strategic Studies of the Government of Brazil [São Paulo]	Brian Scassellati Yale University USA [Arlington-US; contributor]
Dae-Hwan Park Ewha Womans University Korea [Seoul]	Jessica Robin National Science Foundation USA [contributor]	Daan Schuurbiens De Proeffabriek Centre for Society and the Life Sciences The Netherlands [Leuven]
Gung won Park Sungeun Tech Co., Ltd. Korea [Seoul]	Douglas Robinson TEQNODE France [webcast]	Carla Schwingel University of Mackenzie-São Paulo Brazil [São Paulo]
Migyoung Park Hanyang University Korea [Seoul]	Mihail C. Roco National Science Foundation USA [São Paulo, Arlington-US; Leuven; Seoul; Beijing; Arlington-final; contributor]	Norman Scott Cornell University USA [webcast; contributor]
Sung Ha Park SungKyunKwan University Korea [Seoul]	Françoise Roue Organization for Economic Co-operation and Development France [Leuven; webcast]	Cynthia Selin Arizona State University USA [contributor]
Sung Kee Park Korea Institute of Science and Technology Korea [Seoul]	Sylvie Rousset National Center for Scientific Research (CNRS) France [Leuven]	Jeongeun Seo Hanyang University Korea [Seoul; webcast]
Abani Patra University of Buffalo USA [Arlington-US; contributor]	Philip Rubin Office of Science and Technology Policy USA [Arlington-US; Arlington- final; contributor]	Robert Shelton World Technology Evaluation Center, Inc. USA [Arlington-US; Arlington- final]
Lianmao Peng Peking University PRC [Beijing]	Skip Rung Oregon Nanoscience and Microtechnologies Institute USA [contributor]	Hiroki Shimazu Japan Science and Technology Agency Japan [Seoul]
Peter Peumans IMEC Belgium [Leuven]	Alvaro Saavedra PETROBRAS Brazil [São Paulo]	Kwang Min Shin National Nanotechnology Policy Center (NNPC) Korea [Seoul]
Robert Pohanka National Nanotechnology Coordination Office	Paul Saffo Discern Analytics USA [Arlington-US]	Min Cheol Shin Korea Advanced Institute of

Science and Technology Korea [Seoul]	Suk-Wah Tam-Chang National Science Foundation USA [Arlington-final]	Marc Van Rossum IMEC Belgium [Leuven]
Jaihoon Sim SK Hynix, Inc. Korea [Seoul]	Kazunobu Tanaka Japan Science and Technology Agency Japan [Seoul]	Herbert von Bose European Commission Leuven; Belgium [Leuven]
Woo Young Sim NanoEnTek, Inc. Korea [Seoul]	Bo Tang Shandong Normal University PRC [Beijing]	Gordon Wallace University of Wollongong Australia [Beijing]
Lew Sloter Department of Defense USA [Arlington-US]	Clayton Teague Consultant formerly at National Science Foundation and National Institute of Standards and Technology USA [Arlington-US; contributor]	Xiaomin Wang Capital Medical University PRC [Beijing]
Dae Sup So National Nanotechnology Policy Center Korea [Seoul]	George Thompson Intel USA [Arlington-US; contributor]	George Whitesides Harvard University USA [Arlington-US; Leuven; Arlington-final; contributor]
Fernanda Sobral Center for Strategic Studies of the Government of Brazil [São Paulo]	Sally Tinkle National Nanotechnology Coordination Office USA [Arlington-US]	Philip Westmoreland North Carolina State University USA [Arlington-US; webcast; contributor]
Keun Hyoung Sok Sungkyunkwan University Korea [Seoul]	Christos Tokamanis European Commission Belgium [Leuven; webcast; contributor]	R. Stanley Williams Hewlett-Packard Laboratories USA [Arlington-final; contributor]
Jong-Guk Song Science & Technology Policy Institute Korea [Seoul]	Mario Tokoro Keio University and Sony Computer Science Laboratories Japan [contributor]	Frances Wilson Universidad de Chile Chile [São Paulo]
Yibin Song Hanyang University Korea [Seoul]	Bruce Tonn University of Tennessee USA [Arlington-US; Leuven; Seoul; Beijing; Arlington-final; contributor]	H.H. Wito National Science Foundation USA [Arlington-final]
Eunezio Souza Latin American Network for Technological Convergence Prospective Brazil [São Paulo]	Kohei Uosaki National Institute for Materials Science Japan [Seoul]	H.- S. Philip Wong Stanford University USA [Arlington-US; Leuven; Seoul; Beijing; Arlington-final; contributor]
James C. Spohrer IBM Corporation USA [Arlington-US; contributor]	Robert Urban Johnson & Johnson USA [Arlington-US; Leuven; Seoul; Beijing; contributor]	Ke Xu Suzhou Institute of Nano-Tech and Nano-Bionics (SINANO) PRC [Beijing]
Mark Suchman Brown University USA [Arlington-US; contributor]	Cesar Villarroel Universidad Privada Bolivariana Bolivia [São Paulo]	Eli Yablonovitch University of California, Berkeley USA [Arlington-US; contributor]
Sang-Hee Suh Korea Nanotechnology Researchers Society Korea [Seoul]	Luc Van den hove IMEC Belgium [Leuven]	Heyoung Yang KISTEP Korea [contributor]
Jyrki Suominen European Commission Belgium [Leuven]	Johan Van Helleputte IMEC Belgium [Leuven]	Fruma Yehiely Northwestern University USA [webcast]
Kohyama Takashi Hokkaido University Japan [Seoul]		Won Jong Yoo SungKyunKwan University Korea [Seoul]
Masahiro Takemura National Institute for Materials Science Japan [Seoul]		

Ji Woong Yoon  
Kyung Hee University  
Korea [Seoul]

Seungjoon Yoon  
Korea Environmental Industry  
and Technology Institute  
Korea [Seoul]

Hui-suk Yun  
Korea Institute of Material  
Science  
Korea [Seoul]

Moises Zavaleta  
North American Free Trade  
Agreement  
Mexico [webcast]

Byoung-Tak Zhang  
Korea National University  
Korea [Seoul]

Xian'en Zhang  
Ministry of Science and  
Technology of China  
PRC [Beijing]

Xiang Zhang  
University of California, Berkeley  
USA [Arlington-US; contributor]

Tingshao Zhu  
Institute of Psychology  
PRC [Beijing]

Xing Zhu  
Peking University  
PRC [Beijing]