The Role of Inducement Prizes

Committee

Karim R. Lakhani

Chair

Karim R. Lakhani is the Charles Edward Wilson Professor of Business Administration and the Dorothy and Michael Hintze Fellow at the Harvard Business School. Dr. Lakhani is the founder and co-director of the Laboratory for Innovation Science at Harvard University, the principal investigator of the NASA Tournament Laboratory at the Harvard Institute for Quantitative Social Science, and the faculty co-founder of the Harvard Business School Digital Initiative. His research examines crowd-based innovation models and the digital transformation of companies and industries. Dr. Lakhani is known for his pioneering scholarship on how communities and contests can be designed and managed to achieve innovative outcomes. He has partnered with NASA, Topcoder, and the Harvard Medical School to conduct field experiments on the design of crowd innovation programs. His research on digital transformation has shown the importance of data and analytics as drivers of business and operating model transformation and as sources of competitive advantage. He serves on the Board of Directors of Mozilla Corporation and Local Motors.

Dr. Lakhani received a Ph.D. in management from the Massachusetts Institute of Technology in 2006.

Alph Bingham

Member

Alph Bingham is a startup founder, advisor, and consultant. He specializes in portfolio management, systems modeling and design, evolving innovation systems, transition state theory and economics, leadership strategy, innovation, uncertainty and value, and risk management. Dr. Bingham co-founded InnoCentive, Inc., an open innovation and crowdsourcing platform, along with co-founding or incubating other ventures that create the advantages of open and networked organizational structures, including YourEncore, Inc., Coalesix, Inc., Maaguzi, Inc., Indigo Biosystems, Seriosity, Chorus, and Collaborative Drug Discovery, Inc. He has over 28 years of experience with Eli Lilly and Company in pharmaceutical research and development, research acquisitions and collaborations, portfolio management, and R&D strategic planning. Among other things, he served as vice-president of e.Lilly (a unit for business innovation) and vice-president of R&D strategy. He was instrumental in creating and developing Eli Lilly's portfolio management process as well as in establishing the divisions of Research Acquisitions, the Office of Alliance Management, and e.Lilly.

Dr. Bingham received his Ph.D. in chemistry from Stanford University in 1977.

M. Diane Burton

Member

M. Diane Burton is an associate professor of human resource studies at the ILR School of Cornell University. Dr. Burton is an organizational sociologist interested in innovation and entrepreneurship studying how management systems affect firms and individuals. Her primary research is a major study of high-tech start-ups in Silicon Valley including the study of entrepreneurial teams and executive careers. Dr. Burton has also studied R&D teams, leadership in the non-profit sector, and employment practices in law firms. She is affiliated with Cornell's Center for Advanced Human Resource Studies and has led industry working groups on HR and innovation.

Dr. Burton received a Ph.D. in sociology from Stanford University in 1996.

Anne-Laure Fayard

Member

Anne-Laure Fayard is associate professor of management in the Department of Technology Management and Innovation and associate professor of Innovation, Design and Organization Studies in the Department of Technology, Culture and Society at the New York University Tandon School of Engineering. She is also an affiliate faculty with the Department of Management and Organizations at the NYU Stern Business School. Her expertise is in sociology and management, specializing in qualitative methods in innovation, technology, and organizational theory. Dr. Fayard's research interests involve communication including discourse analysis, discursive practices, and technology-mediated communication. She is also interested in collaboration and sociomaterial pratices including the affordances of material artifacts. Dr. Fayard's work has been published in several leading journals such as Administration Science Quarterly, Organization Science, Harvard Business Review, Organization Studies, the Journal of Computer-Mediated Communication, and The European Management Journal. Her book, The Power of Writing in Organizations (with Anca Metiu), was published by Routledge in August 2012. She teaches courses in organizational behavior, design thinking, leadership, and qualitative research methods in graduate and executive programs. Dr. Fayard received a Ph.D. in cognitive science from the Ecole de Hautes Etudes en Science Sociales in 1998.

Alberto Galasso

Member

Alberto Galasso is an associate professor of strategic management in the Rotman School of Management at the University of Toronto. He specializes in innovation and technology transfer. Dr. Galasso's research at the University of Toronto is primarily focused on the determinants of innovative activity, the management of innovation, and the functioning of markets for technology. His recent paper "A theory of grand innovation prizes" (co-authored by Matthew Mitchell and Gabor Virag) appeared in Research Policy in March 2018.

Dr. Galasso received a Ph.D. in economics from the London School of Economics and Political Science in 2007.

Jack Hughes

Member

Jack Hughes is an entrepreneur/founder/investor in open-innovation, community-based business models. Mr. Hughes has founded, designed and managed numerous companies through their entire lifecycle: inception -> funding -> scale -> ongoing operations. Mr. Hughes was founder/CEO of Tallan, Inc. (a software consultancy) and TopCoder, Inc. (a community of over 1 million software developers and data scientists) -- both recognized multiple times as Inc. magazine and Deloitte and Touche 500/50 fastest growing companies in the United States. Mr. Hughes is a founding investor/board member of Tongal, Inc. (community-based video production), eFabless, Inc. (community-based circuit design) and other open-innovation, community-based startups.

Mr. Hughes is chair of the Christopher & Dana Reeve Foundation.

Mr. Hughes received a B.S. in computer science from Boston College in 1984.

Hila Lifshitz-Assaf

Member

Hila Lifshitz-Assaf is an assistant professor of information, operations, and management Sciences at the Leonard N. Stern School of Business at New York University. Professor Lifshitz-Assaf's research focuses on developing an in-depth empirical and theoretical understanding of the micro-foundations of scientific and technological innovation and knowledge creation processes in the digital age. She explores how the ability to innovate is being transformed, as well as the challenges and opportunities that result for R&D organizations, professionals, and their work. She investigates new forms of organizing for the production of scientific and technological innovation such as crowdsourcing, open source, Wikipedia, hackathons, makeathons, and artificial intelligence. She conducted an in-depth three-year longitudinal field study of NASA's experimentation with open innovation online platforms and communities. This study received the best dissertation Grigor McClelland Award at the European Group for Organizational Studies (EGOS) 2015. Her studies follow a field research approach, deeply engaging with the industry, leading her to receive the Industry Studies Association Frank Giarrantani Rising Star award (2017). Prior to academia, Professor Lifshitz-Assaf worked as a strategy consultant for seven years, specializing in growth and innovation strategy in telecommunications, consumer goods, and finance.

Professor Lifshitz-Assaf received a Doctor of Business Administration in management from Harvard University in 2014.

Stephanie S. Shipp

Member

Dr. Stephanie Shipp is deputy director and professor in the Social and Decision Analytics Division of the Biocomplexity Institute & Initiative at the University of Virginia. Dr. Shipp's expertise is in economics, particularly statistical methodology, data science and modeling, and program and policy analysis.

Dr. Shipp's work has spanned topics related to the use of all data to advance policy, the science of data science, and metropolitan analytics. She has recently led and engaged in projects at the local, state, and federal levels to assess data quality and use new and traditional sources of data, and her research has focused on developing statistical methodologies and tools for using administrative and other data to model the social condition, with research on communities, innovation, and defense analytics. In her current position, Dr. Shipp is creating and implementing new programs to build data science capacity in cities and counties of all sizes. Her team is developing innovative methods and tools for using all data to address social science policy questions quantitatively.

Dr. Shipp earlier served at the National Institute of Standards and Technology (NIST) as director of the Economic Assessment Office in the Advanced Technology Program. Dr. Shipp also led economic and statistical programs at the Census Bureau and the Bureau of Labor Statistics, and she began her career at the Federal Reserve Board. Following her time at NIST, Dr. Shipp was a senior Research Staff Member at the Institute for Defense Analyses, Science and Technology Policy, conducting research for the Office of Science and Technology Policy and other federal agencies, and immediately prior to joining the faculty at the University of Virginia, Dr. Shipp was the deputy director and research professor at the Social and Decision Analytics Laboratory (SDAL) at the Biocomplexity Institute of Virginia Tech.

For the National Academies, Dr. Shipp is a member of the Committee on the Review of the Small Business Innovation Research and Small Business Technology Transfer Programs at the Department of Energy and previously served as a member of the Committee on the Study on the Evaluation of ARPA-e Mission and Goals, the Committee on Assessing the Value of Research in Advancing National Goals, and the Steering Committee for the Workshop on Future Directions for the National Science Foundation National Patterns of Research and Development Program.

Dr. Shipp received a Ph.D. in economics from the The George Washington University in 2000.

Zoe Szajnfarber

Member

Zoe Szajnfarber is an associate professor of engineering management and systems engineering in the School of Engineering and Applied Science at The George Washington University. She also holds a courtesy appointment in Space Policy in the Elliott School of International Affairs, also at GWU, and holds a research appointment in the Institute for Data Systems and Society at the Massachusetts Institute of Technology. She studies the design and development of complex systems, primarily in the aerospace and defense sectors. Her work is deeply empirical and considers both the organization and technical system architectures to “design-in” an ability to achieve performance goals across extended and highly uncertain operational lifetimes. Recent projects examine the nature and function of scientific and technical expertise in the design process, particularly in the context of open innovation. Dr. Szajnfarber serves as an associate editor for the journal Systems Engineering and is on the executive committee for the International Council of Engineering Systems Universities. Dr. Szajnfarber received a Ph.D. in engineering systems from the Massachusetts Institute of Technology in 2011.

Norman Whitaker

Member

Norman Whitaker is a Microsoft Distinguished Scientist and managing director of Microsoft Research Special Projects. As managing director of Microsoft Research Special Projects, he provides a structure for projects with focused objectives aimed at altering and expanding what people imagine is possible with technology. Previously, Dr. Whitaker served as deputy director of the Information Innovation Office at DARPA. Dr.Whitaker also served as deputy director of the Transformational Convergence Technology Office, as special assistant to the DARPA director, and as program manager for the DARPA Urban Challenge autonomous-vehicle program. He also was centrally involved in planning DARPA’s 2005 Grand Challenge. Before his work at DARPA, Dr.Whitaker was CEO of the Escher Research Institute (which he co-founded in 2003), CTO of Puritan Research, and a program manager at DARPA. From 1986 to 1997, he was on the research staff at AT&T Bell Laboratories. He is a member of the Institute of Electrical and Electronics Engineers.

Dr.Whitaker received a Ph.D. in electrical engineering and computer science from the Massachusetts Institute of Technology in 1986.

Brian Wright

Member

Brian Wright is a professor of agricultural economics at the University of California, Berkeley. He is also the director of the University of California's Giannini Foundation of Agricultural Economics and an economist with the Agricultural Experiment Station. Dr. Wright's research interests include economics of markets for storable commodities; market stabilization; agricultural policy; industrial organization; public finance; invention incentives; intellectual property rights including the comparison of patents, prizes, and research contracts as research incentives; intellectual property licensing; and the economics of conservation and innovation of genetic resources. He has co-authored or co-edited several books, including Storage and Commodity Markets; Reforming Agricultural Commodity Policy; Saving Seeds: The Economics of Conserving Genetic Resources at the CGIAR Centers; and Accessing Biodiversity and Sharing the Benefits: Lessons from Implementing the Convention on Biodiversity.

From 2004 to 2005, Dr. Wright served on the National Academies' Committee on Intellectual Property Rights in Genomic and Protein Research and Innovation.

Dr. Wright received a Ph.D. in economics from Harvard University in 1976.

Gail Cohen

Staff Officer