KENNETH J. ARROW is a Nobel Laureate in Economic Sciences and Professor Emeritus at Stanford University. He was awarded the Nobel Prize in 1972 "for pioneering contributions to general economic equilibrium theory and welfare theory." Arrow began his graduate study in economics and statistics at Columbia University. He has held positions on the Cowles Commission for Research in Economics and at the University of Chicago, Harvard University, and Stanford University. His research, apart from social choice theory, has focused on general economic equilibrium. The profound transformation of the general equilibrium theory is marked by his groundbreaking work. He helped open new productive paths for research in this area and, in so doing, has made fundamental contributions to the renewal of the theory. Kenneth Arrow earned his Ph.D. at Columbia University.

SIR PARTHA DASGUPTA is Frank Ramsey Emeritus Professor of Economics at the University of Cambridge and fellow of St John's College, Cambridge. He is a fellow of the Econometric Society, a fellow of the British Academy, fellow of the Royal Society, foreign member of the American Academy of Arts and Sciences and the American Philosophical Society, honorary fellow of the London School of Economics and of Trinity College, Cambridge, honorary member of the

American Economic Association, member of the Pontifical Academy of Social Sciences, foreign associate of the U.S. National Academy of Sciences, and fellow of the Third World Academy of Sciences. Dasgupta was named Knight Bachelor by Her Majesty Queen Elizabeth II in 2002 for services to economics. Dasgupta's research interests have covered welfare and development economics, the economics of technological change, population, environmental and resource economics, the theory of games, the economics of undernutrition, and the economics of social capital.

ERIC MASKIN is Adams University Professor at Harvard. He received the 2007 Nobel Memorial Prize in Economics (with L. Hurwicz and R. Myerson) for laying the foundations of mechanism design theory. He also has made contributions to game theory, contract theory, social choice theory, political economy, and other areas of economics. He received his Ph.D from Harvard. He was a faculty member at MIT from 1977 to 1984, Harvard from 1985 to 2000, and the Institute for Advanced Study from 2000 to 2011. He rejoined the Harvard faculty in 2012. He is a member of the National Academy of Sciences and a fellow of the Econometric Society, the American Academy of Arts and Sciences, the British Academy, the European Economic Association, the Royal Spanish Academy of Economics and Finance, and the Society for the Advancement of Economic Theory. He is an honorary fellow of St John's College, Cambridge and Jesus College, Cambridge. Among other prizes, he has received the Kempe Award in environmental economics (with P. Dasgupta), the EFR-Business Week Award, the Harvard Centennial Medal, the Cristóbal Gabarrón Foundation International Award in Economics, the Louise Blouin Foundation Award, and the Jean-Jacques Laffont Prize.

**PRASANTA K. PATTANAIK** is Emeritus Professor in the Department of Economics, University of California, Riverside. His current research interests include welfare economics and the theory of social choice, decision theory, the measurement of deprivation and

living standards, and development of economics. He is a fellow of the Econometric Society, and, in 2006–2007, served as President of the Society for Social Choice and Welfare. In addition to his many papers in journals, he has published or edited ten books, including most recently *Essays on Individual Decision-Making and Social Welfare* (Oxford University Press, 2009).

AMARTYA SEN is Thomas W. Lamont University Professor and Professor of Economics and Philosophy at Harvard University and was until 2004 the Master of Trinity College, Cambridge. He is also Senior Fellow at the Harvard Society of Fellows. Earlier on he was Professor of Economics at Jadavpur University Calcutta, the Delhi School of Economics, and the London School of Economics, and Drummond Professor of Political Economy at Oxford University. Amartya Sen has served as President of the Econometric Society, the American Economic Association, the Indian Economic Association, and the International Economic Association. Amartya Sen's books include Choice of Techniques (1960), Growth Economics (1970), Collective Choice and Social Welfare (1970), Choice, Welfare and Measurement (1982), Commodities and Capabilities (1987), The Standard of Living (1987), Development as Freedom (1999), Identity and Violence: The Illusion of Destiny (2006), The Idea of Justice (2009), and (jointly with Jean Dreze) An Uncertain Glory: India and Its Contradictions (2013). Amartya Sen's awards include Bharat Ratna (India); Commandeur de la Legion d'Honneur (France); the National Humanities Medal (United States); Ordem do Merito Cientifico (Brazil); Honorary Companion of Honour (United Kingdom); Aztec Eagle (Mexico); Edinburgh Medal (United Kingdom); the George Marshall Award (United States); the Eisenhauer Medal (United States); and the Nobel Prize in Economics.

JOSEPH E. STIGLITZ received his Ph.D. from MIT in 1967, became a full professor at Yale in 1970, and in 1979 was awarded the John Bates Clark Award. He has taught at Princeton, Stanford, and MIT and was

the Drummond Professor and a fellow of All Souls College, Oxford. He is now University Professor at Columbia University in New York. He is also the founder and copresident of the Initiative for Policy Dialogue at Columbia. In 2001, he was awarded the Nobel Prize in Economics for his analyses of markets with asymmetric information, and he was a lead author of the 1995 "Report of the Intergovernmental Panel on Climate Change," which shared the 2007 Nobel Peace Prize. In 2011, *Time* named Stiglitz one of the 100 most influential people in the world.