

Contributors

Violetta V. Arkhipova, PhD in Economics. In 2011–2013 she lectured at Lomonosov Moscow State University and was the personal assistant to the Duma deputy. Now she is an official representative of the Counsellor to the President of the Russian Federation on the issues of international cooperation and the senior researcher at Institute of Economics (Russian Academy of Sciences).

Valentina M. Bondarenko, PhD in Economics, a Senior Research Professor at the Center for Real Economy Studies in the Institute of Economics, the Russian Academy of Sciences, and the Director of the International Kondratieff Foundation. In 1991, she defended her Ph.D. thesis on ‘Political Economy’ at the Institute of Economics of the USSR Academy of Sciences. Her academic activity is connected with cross-disciplinary studies, in terms of politico-economic and world-view positions, as well as the agenda connected with formation and functioning of the mechanism of interconnection among production, distribution, exchange and consumption in various forms of production relations. Her current research interests are in the areas of search and substantiation of new production relations and relevant production forces, formation of Russia's development strategy and new life-organization model. She is the author of the monographs *Forecasting the Future: A New Paradigm* (2008) and *Crisis-Free Development – A Myth or the Reality?* (2012, 1st ed.; 2014, 2nd ed.). The author published more than 220 works in Russia and abroad, and wrote a number of chapters for various monographs, published in Russian and English, which address fundamental theoretical problems, pertaining to formation of transition strategies that Russia and other countries can follow on the way to crisis-free development.

Brian J. L. Berry, the Lloyd Viel Berkner Regental Professor in the School of Economic, Political and Policy Sciences at the University of Texas at Dallas. His 65-year career has included professorships in economics and politics, geospatial and regional science, sociology and urban and regional planning. He remains an active scholar, continuing to explore the interface of socioeconomic and political rhythms in time and their patterns in space.

Denis J. Dean's research interests center on remote sensing and geospatial information systems and their applications in urban planning, population studies, computer mapping and forest management. Originally educated in systems analysis and forest management, he is currently Professor of Geospatial Information Systems at UTD.

Mikhail N. Dudin, Doctor of Economics, Professor, Senior Research Fellow at the Institute of Management and Marketing at the Russian Presidential Academy of National Economy and Public Administration (The Presidential Academy, RANEPA).

Euel Elliott is Professor of Public Policy and Political Economy in the School of Economic, Political and Policy Sciences at the University of Texas at Dallas. His research interests span application of complex adaptive systems to understanding political-economic change and the relation of technological change to policy evolution.

Ibrahim Fraihat is an international conflict resolution professor at the Doha Institute for Graduate Studies. He previously served as senior foreign policy fellow at the Brookings Institution, and taught international conflict resolution at Georgetown University and George Washington University. His publications include *Unfinished Revo-*

lutions: Yemen, Libya, and Tunisia after the Arab Spring (2016; Yale University Press), and the upcoming book on *Resolving the Rivalry between Iran and Saudi Arabia* (in Press, Edinburgh University Press). Dr. Fraihat has published extensively on Middle East politics, with articles appearing in *The New York Times*, *Foreign Affairs*, *Foreign Policy*, and *Al Jazeera* websites. Fraihat received a doctorate in conflict analysis and resolution from George Mason University in 2006. He is the recipient of George Mason University's Distinguished Alumni Award (2014) for his achievements in the field of conflict resolution.

Anton L. Grinin, PhD in Biological Sciences, Leading Research Fellow of Volgograd Centre for Social Research. His main research interests include biotechnologies, global technological transformations and forecasts. He is the co-author of the monographs *From Biface to Nanorobots: The World on the Way to the Epoch of Self-Regulating Systems* (2015; 'Uchitel' Publishing House, in Russian), *The Cybernetic Revolution and the Forthcoming Epoch of Self-Regulating Systems* (2016; 'Uchitel' Publishing House, in English) and a number of articles including 'Macroevolution of Technology' and 'Global Technological Transformations'.

Leonid E. Grinin is Senior Research Professor at the Institute for Oriental Studies of the Russian Academy of Sciences in Moscow and Senior Research Professor at the Laboratory for Destabilization Risk Monitoring at the National Research University Higher School of Economics. He is the Editor-in-Chief of the journal *Age of Globalization* (in Russian), as well as a co-editor of the international journals *Social Evolution & History* and *the Journal of Globalization Studies*. Dr. Grinin is the author of over 550 scholarly publications in Russian and English, including 31 monographs. These monographs include *Philosophy, Sociology, and the Theory of History* (2007; in Russian); *Productive Forces and Historical Process* (2006, in Russian); *State and Historical Process* (3 vols, 2009–2010, in Russian); *Social Macroevolution: World System Transformations* (2009; in Russian, with A. Korotayev); *Macroevolution in Biological and Social Systems* (2008; in Russian, with A. Markov and A. Korotayev); *Global Crisis in Retrospective: A Brief History of Upswings and Crises* (2010; in Russian, with A. Korotayev); *The Evolution of Statehood: From Early State to Global Society* (2011); *The Cycles of Development of Modern World System* (2011; in Russian, with A. Korotayev and S. Tsirel); *From Confucius to Comte: The Formation of the Theory, Methodology and Philosophy of History* (2012; in Russian); *Macrohistory and Globalization* (2012); *Cycles, Crises, and Traps of the Modern World-System* (2012; in Russian, with A. Korotayev); *Great Divergence and Great Convergence* (2015; with A. Korotayev); *Economic Cycles, Crises, and the Global Periphery* (2016; with Arno Tausch and A. Korotayev); *Islamism, Arab Spring, and the Future of Democracy: World System and World Values Perspectives* (2019; with Andrey Korotayev and Arno Tausch).

Olga O. Komarevtseva is a graduate student of the Russian Academy of National Economy and Public Administration. Her research interests include the digitization of the urban environment, the concept of Smart City and the prototyping of urban economies. She is the author of 214 scholarly publications in the field of the transformation of cities' economic development.

Andrea Komlosy is Professor at the Department for Economic and Social History, University of Vienna, Austria. She coordinates the Global History and Global Studies programs. She is the author of scholarly publications on labor, migration, borders and uneven development on a regional, European and a global scale including ‘Work and Labor Relations’ (2016) in *Capitalism: The Reemergence of a Historical Concept; The Last 1000 Years* (2018), London – New York: Verso; *Grenzen. Räumliche und soziale Trennlinien im Zeitenlauf* (2018), Wien: Promedia.

Andrey V. Korotayev is Senior Research Professor at the International Laboratory for Political Demography and Social Macrodynamics at the Russian Presidential Academy of National Economy and Public Administration, Head of the Laboratory for Destabilization Risk Monitoring at the National Research University Higher School of Economics, Senior Research Professor of the Oriental Institute and Institute for African Studies, Russian Academy of Sciences, as well as a Professor at the Faculty of Global Studies of the Moscow State University. He is the author of over 700 scholarly publications, including such monographs as *Ancient Yemen* (1995), *World Religions and Social Evolution of the Old World Oikumene Civilizations: A Cross-Cultural Perspective* (2004), *Introduction to Social Macrodynamics: Compact Macromodels of the World System Growth* (2006), *Introduction to Social Macrodynamics: Secular Cycles and Millennial Trends* (2006), *Great Divergence and Great Convergence* (2015, with Leonid Grinin), and *Economic Cycles, Crises, and the Global Periphery* (2016, with Arno Tausch and Leonid E. Grinin). At present, together with Askar Akaev and Sergey Malkov, he coordinates the Russian Academy of Sciences Presidium Project ‘Complex System Analysis and Mathematical Modeling of Global Dynamics’. He is a laureate of the Russian Science Support Foundation in ‘The Best Economists of the Russian Academy of Sciences’ Nomination (2006).

Andrey E. Kozlov, a PhD candidate in Economics. His research interests are labor Economics, personnel management and programming. He works at the enterprise of aircraft industry of JSC ‘Progress’.

Tatiana Malakhova, PhD, Assistant Professor, Kuban State University. Her research interests focus on world economy and international economic relations.

Pavel A. Minakir, Academician of the Russian Academy of Sciences, Doctor of Economics, Professor, Scientific Coordinator at the Institute of Economic Research of the Far Eastern Branch of the Russian Academy of Sciences. His research interests include theoretical and applied problems of regional economy; theory and methodology of spatial economy; Russian Far East economy; international economic cooperation among the countries of the Asia-Pacific region. He is the author of more than 470 scientific papers, including those in Australia, China, Republic of Korea, the USA, Japan, India, Vietnam, France and Great Britain. The results published in this series of scientific papers made an important contribution to the development of theory, methods and applied research in such main directions for modern science as spatial aspects of the theory of economic dynamics, spatial macroeconomics, methodology of research and measurements in spatial economic systems.

Vil K. Nusratullin, Doctor of Economics, Professor of the Department at the Institute of Economics, Finance and Business of Bashkir State University, Ufa. He is the author of more than 500 scientific and educational-methodical works, including 37

monographs (14 of them are collective), 10 textbooks, 30 preprints of reports, more than 50 articles peer-reviewed by the Higher Attestation Commission (VAK). More than 200 of his works are devoted to the development of problems of non-equilibrium economic theory.

Fred Phillips is Professor at the University of New Mexico, a Visiting Professor at SUNY Stony Brook, and Visiting Scientist at the Chinese Academy of Sciences, Beijing, Editor-in-Chief of the international journal *Technological Forecasting & Social Change*. He is a Senior Fellow of the IC2 Institute of the University of Texas at Austin, and a Fellow of PICMET, the Portland International Center for Management of Engineering and Technology. In 2019 Springer published his book *What About the Future?*

Svetlana Yu. Romyantseva, Phd in Economics, Associate Professor at the Department of Economics at St. Petersburg State University. Her research interests include the theory of long waves in the economy, implementation of the long wave theory to the problems of forecasting of economic development in Russia, neo-industrialization in Russia, commercialization of technological projects.

Stephen I. Ternyik, a social science economist. His work covers over 30 years of management consultancy and education in such fields as capital formation, asset productivity, liquidity for entrepreneurship and wealth valuation. He is an alumnus of the TU Berlin, the Henry George School of Social Science (NY/Philadelphia), Tokyo U and the Open U of Israel. In his youth, he received a professional apprenticeship in industry and worked in medical services. His overall research interest is the informatization of the human society and economy. He participated in special financial training in Zurich and Frankfurt. Stephen Ternyik is an author of 10 books, more than 100 articles and several online courses. He likes workshops, learning days/events and e-learning-technology, making human learning an exciting adventure or expedition.