



**Workshop on Preserving and Developing Ukraine's Human Capital in Research, Education,
and Innovation**

June 5, 6 (side event), 21, 28 2023

PARTICIPANT BIOSKETCHES DAY 1 & SIDE EVENT

SPEAKERS & MODERATORS (alphabetical order)

Oleksandra Antoniuk, *Deputy Director for Development and Innovations, Kyiv Academic University, National Academy of Sciences of Ukraine*

Dr. Habil. Alexandra Antoniuk is the Deputy Director for Science and Innovation at Kyiv Academic University, as well as Leading Researcher in the Institute of Mathematics of the National Academy of Sciences of Ukraine. Dr. Antoniuk is a Fellow of Alexander von Humboldt Foundation, received different research and social activity awards, including the 2015 AvH award "Innovation Networking Initiative," National Academy of Science of Ukraine Honors "For Professional Achievements" (2020), Diploma of the Verkhovna Rada of Ukraine "For services to the Ukrainian people" (2021). Dr. Antoniuk is an author of more than 40 articles, published in leading scholarly journals in mathematics and its applications. She is a specialist in the field of differential equations in partial derivatives of the finite and infinite number of variables. Its main activities concern the evolutionary behavior of systems describing models of statistical mechanics with an infinite number of interacting particles. She was a leader of the Ukrainian part of several EU projects in particular FP-7 Marie Curie Actions IRES "EU-Ukrainian Mathematicians for Life Sciences" (2012-2016), Horizon-2020 "Approximation Methods for Molecular Modelling and Diagnosis Tools" (2016-2019) and was a head organizer of different international multi-disciplinary conferences among them: "Mathematics for Life Sciences" (2012-2017), KAU Data Science School (2018-2021).

Jamie Arrowsmith, *Director, Universities UK International (UUKi)*

Jamie Arrowsmith has been Acting Director of UUKi since 1 August 2022. He joined Universities UK in 2010, working as policy lead for research and innovation before becoming Assistant Director for Policy & Global Engagement at UUKi in 2017. Jamie has a first-class degree and MA

in History from the University of Manchester, and an MRes from Manchester Metropolitan University. Prior to joining UUK, he was a researcher at the MMU Education & Social Research Institute.

France A. Córdova, *President, Science Philanthropy Alliance*

France A. Córdova is the Science Philanthropy Alliance's president and ex officio member of its board. She is an experienced leader in science, engineering, and education with more than three decades of experience at universities and national labs. Córdova is also chancellor emerita of the University of California, Riverside, where she was a distinguished professor of physics and astronomy. She has served in five presidential administrations, both Democratic and Republican. She is an internationally recognized astrophysicist for her contributions in space research and instrumentation. She has served on both corporate and nonprofit boards, often assuming a leadership position.

Prior to joining the Alliance, Córdova was the fourteenth director of the National Science Foundation (NSF). Through her leadership at NSF, the agency grew by over \$1 billion, strengthened existing partnerships while forging new ones, and launched a strategic framework defined by 10 Big Ideas—promising areas of research for targeted investment. She also previously served in the role of president of Purdue University, where she established a College of Health and Human Sciences at Purdue, as well as a Global Research Policy Institute. Additionally, Córdova served as NASA's chief scientist, representing NASA to the larger scientific community. She was the youngest person and first woman to serve as NASA's chief scientist and was awarded the agency's highest honor, the Distinguished Service Medal.

Alan Craig, *Head of Sector, European Research Executive Agency*

Alan Craig joined the European Commission as a 'detached national expert' in 2007 and subsequently joined the European Research Executive Agency where he is Head of Sector; the sector manages, among other things, the MSCA4Ukraine programme and the COFUND programme. Before coming to Brussels he worked for almost 25 years as a researcher and lecturer in the Department of Mathematics in Durham University, UK. During this time he both benefitted himself from European funding and latterly chaired many peer evaluation panels on behalf of the European Commission.

Emmanuella Delva, *Acting Director and Deputy for Research Policy, USAID's Innovation, Technology, and Research (ITR) Hub - Research Division*

Emmanuella Delva, Ph.D. currently serves as the Acting Director and Deputy for Research Policy in the U.S. Agency for International Development's Innovation, Technology, and Research Hub - Research Division. In this capacity, she oversees programs that are centered around building scientific research capacity in higher education institutions based in low- and middle-income countries and Agency policies/practices designed to improve/facilitate the coordinated generation and use of scientific evidence within USAID. Emmanuella's 11+ years at USAID began

as an American Association for the Advancement of Science (AAAS) Science and Technology Policy Fellow, where she served as an advisor to the Senior Coordinator of Gender Equality and Women's Empowerment. Emmanuella also served as a higher education advisor at USAID/Indonesia, where she led the United States Government's commitment to assisting the Government of Indonesia in enhancing the quality of higher education, with particular focus on increasing the quality of higher education in fields related to science, technology, engineering and mathematics. Emmanuella holds a Ph.D. in Biomedical and Biological Sciences from Emory University and a B.S. in Chemistry from the University of Richmond.

Jerzy Duszyński, *former President, Polish Academy of Sciences*

Jerzy Duszyński was president of the Polish Academy of Sciences 2015-2022. He has been a Member of the Polish Academy of Sciences since 2007 and a professor at the Nencki Institute of Experimental Biology. Duszyński's research interests focus on bioenergetics, the role of mitochondria in cell functioning and neurodegenerative diseases. In 2008 -2009 he served as Deputy Minister responsible for science at the Ministry of Science and Higher Education. He was elected to the Academia Europaea and a foreign member of the Chinese Academy of Sciences. He is a Member of the Board of Trustees at Barcelona Institute for Research in Biomedicine. His recent activities include chairing the interdisciplinary COVID-19 advisory team at the Polish Academy of Sciences and programs supporting Ukrainian scholars in Poland. Duszyński was recently awarded an honorary doctorate by the Presidium of the National Academy of Sciences of Ukraine (NANU) for a significant contribution to the development of science and international scientific cooperation.

Greta Facile, *Project Management Expert, EU Funded Projects Department, DESY*

Great Facile is a project management expert working on the EURIZON fellowship program which provides remote research grants for Ukrainian researchers. Prior to this role, Facile held roles at the Users and External Project Liaison Office at SESAME, Médecins sans Frontières, and was a trainee at the European Union Committee of the Regions. She holds a master degree in European Studies from the University of Louvain and a bachelor and master in International Science and Diplomatic Relations from Università degli Studi di Trieste.

Mykhailo Fedorov *Vice Prime Minister and Minister of Digital Transformation of Ukraine*

The youngest minister in the history of Ukrainian politics, Fedorov, at the age of 30, managed to succeed both with opening his own businesses as well as with leading the country's digital revolution. His most important project as minister is the "State in a Smartphone" which aims, by 2024, to have 100% of all government services available online, with 20% of services provided automatically without the intervention of an official and one online form to receive a package of services.

Gregory Gabadadze, *Senior Vice President of the Mathematics and Physical Sciences Division, Simons Foundation*

Gregory Gabadadze is the senior vice president of the Mathematics and Physical Sciences division. He is a professor of physics and the dean for science at New York University, where he previously chaired the physics department and served as director of the Center for Cosmology and Particle Physics. Gabadadze holds a Ph.D. in physics from Rutgers University in New Jersey and an M.S. from Moscow State University.

Enrico Guarini, *Affiliate Professor of Government, Health and Not for Profit at SDA Bocconi School of Management and Associate Professor of Business Administration and Management at the l'Università di Milano-Bicocca*

Enrico Guarini is an Affiliate Professor of Government, Health and Not for Profit at SDA Bocconi School of Management. He is an Associate Professor of Business Administration and Management at the l'Università di Milano-Bicocca. At SDA Bocconi, he has been Director of the Executive Education-Custom Programs for Public administration, Healthcare and Nonprofit organizations. He has designed and led several research projects and custom executive education programs in Italian public administrations. His research activities focus on public budgeting and financial management, public management and policy, management accounting and control systems, local governance. Enrico earned an MSc and a Ph.D. in Business Administration and Management both from Università Bocconi.

Yuriy Khalavka, *Head of the Chemistry and Food Safety Department, Yuriy Fedkovych Chernivtsi National University*

Yuriy Khalavka is the Head of the Department of General Chemistry and Chemistry of Materials at Yuriy Fedkovych Chernivtsi National University. He is a professor of chemistry and works on nanomaterials. He is part of the leadership team of UAScience.reload and became an activist for Ukrainian researchers when the war broke out. He also manages a Facebook group called Ukrainian Scientists Worldwide.

Kyrychenko Kostiantyn, *Rector's Assistant for International Relations, Head, International Affairs Department, Sumy State University*

Maija Kukla, *Professor (adjunct) position at the Materials Science and Engineering Department of the University of Maryland, College Park*

Maija Kukla was educated in Riga, Latvia and Moscow, Russia; she obtained her Doctor of Science in Physics and Mathematics degree in 1996 from the University of Latvia. Currently, Kukla is working as a program director in the Office of International Science and Engineering, Office of the Director at the National Science Foundation. Before joining OISE, she has been directing the Materials Research Science and Engineering Centers Program and the Partnerships in Research and Education in Materials Program in the Division of Materials Research, Directorate for Mathematical and Physical Sciences (2002-2008) and managing Experimental Program to Stimulate Competitive Research (EPSCoR) in the Office of Integrative Activities (2008-2011). Kukla is also holding a Professor (adjunct) position at the Materials Science and

Engineering Department of the University of Maryland, College Park, where she performs research on modeling of materials and complex phenomena.

Mykola Lubiv, *Senior Deputy Executive Director, Science and Technology Center in Ukraine (STCU)*

Mykola Lubiv is the Senior Deputy Executive Director of Mission of the intergovernmental Science and Technology Center in Ukraine (STCU), headquartered in Kyiv, Ukraine. Lubiv is the STCU's third Senior Deputy Executive Director, having been appointed to this position in 2017. STCU works to prevent the spread of WMD technical know-how through cooperative activities with scientists and technicians who have weapons-usable expertise. STCU membership includes the European Union, Ukraine, the United States of America, Azerbaijan, Georgia, and Moldova. From 2006 until 2009, Lubiv Mykola was the Vice-Consul, Consul, Acting Consul General of Ukraine in San Francisco USA, responsible for managing projects of development of cooperation between Ukraine and the United States. Previous to this, Lubiv also was a Press-cutting service Attaché at the Ministry of Foreign Affairs of Ukraine. Mykola Lubiv graduated with a master's of international relation degree from National Lviv University and a bachelor's degree from the London Academy of English in 2001.

Marcia McNutt, *President, U.S. National Academy of Sciences*

Marcia McNutt is a geophysicist and president of the National Academy of Sciences. From 2013 to 2016, she served as editor-in-chief of the *Science* family of journals. Prior to joining *Science*, she was director of the U.S. Geological Survey (USGS) from 2009 to 2013. During her tenure, the USGS responded to a number of major disasters, including earthquakes in Haiti, Chile, and Japan, and the Deepwater Horizon oil spill. McNutt led a team of government scientists and engineers at BP headquarters in Houston who helped contain the oil and cap the well. She directed the flow rate technical group that estimated the rate of oil discharge during the spill's active phase. For her contributions, she was awarded the U.S. Coast Guard's Meritorious Service Medal. Before joining the USGS, McNutt served as president and chief executive officer of the Monterey Bay Aquarium Research Institute (MBARI), in Moss Landing, California. During her time at MBARI, the institution became a leader in developing biological and chemical sensors for remote ocean deployment, installed the first deep-sea cabled observatory in U.S. waters, and advanced the integration of artificial intelligence into autonomous underwater vehicles for complex undersea missions. McNutt recently was awarded an honorary doctorate by the Presidium of the National Academy of Sciences of Ukraine (NANU) for a significant contribution to the development of science and international scientific cooperation.

Natalia Melcer, *Senior Technical Advisor, Office of the Deputy Director for Science Programs, Office of Science, Department of Energy (DOE)*

Natalia Melcer is a Senior Technical Advisor in the Office of the Deputy Director for Science Programs, Office of Science, DOE. In this position, she provides strategic advice on all aspects of science program management, including program planning, budget formulation, execution, and

evaluation. She provides advice and assistance to senior management in the formulation and implementation of new policies, plans, and procedures regarding the Office of Science program offices and DOE national laboratories. She previously served as a program manager in the DOE Office of Science, Office of Basic Energy Sciences, with primary duties related to budget formulation, strategic planning, and communications. Earlier in her career, she served as Assistant Deputy Director in the DOE Office of Budget, Office of the Chief Financial Officer, where she developed DOE budgetary policy. She previously served as a Senior Program Officer with the Board on Physics and Astronomy at the National Academies and as a Science Policy Fellow working in the Office of Legislative and Government Affairs at the American Chemical Society. She holds a BS in Applied Chemistry from the University of Calgary and a MS in Chemistry from the University of Michigan.

Dmytro Sherengovsky, *Vice-Rector for Academic Affairs and Internationalization, Ukrainian Catholic University*

Dmytro Sherengovsky is Vice-Rector for Academic Affairs and Internationalization, Ukrainian Catholic University. Shrengovsky took part in internships and training at the universities of Bamberg (Germany), Wuerzburg (Germany), Viadrina European University (Germany), the Free University of Berlin (Germany). He is a former guest researcher at the Nanovic Institute for European Studies and a former national consultant at UNDP-Ukraine for the development of online education for business on Sustainable Development Goals in 2019-2020. During his time at Notre Dame, he worked on a project entitled "Conflict Transformation in Political Theory: Practices and approaches for Ukrainian Case." He is a member of the Midwest Political Science Association (USA), OSCE Research Network, and the International Association of the Humanities (MAG-IAN). Sherengovsky received his higher education at Ivan Franko National University in Lviv, specializing in the field of International Relations, Diplomatic and Consular Service. He defended his PhD degree in the field of Political Problems of International Systems and Global Development.

Nataliia Yeremenko, *Programme Coordinator, European Fund for Displaced Scientists, ALLEA*

Nataliia Yeremenko serves as Coordinator of the European Fund for Displaced Scientists (EFDS) Programme, which was launched in 2022 by the European Federation of Academies of Sciences and Humanities, ALLEA, in response to the ongoing Russian invasion of Ukraine. In this role, she is responsible for providing assistance to the Ukrainian scientific community through the coordination of financial support for Ukrainian scientists and institutions that have been impacted by the war. Originally from Ukraine, Nataliia brings to the EFDS Programme the commitment and experience gained from a career spanning over 20 years in the international development sector.

Anna Plater-Zyberk, *Director of the Office of International Cooperation at the Polish Academy of Sciences*

Anna Plater-Zyberk is the head of the Office of International Cooperation at the Polish Academy of Sciences (PAS). She is responsible for recommendations on the international policy of the PAS and the coordination of bilateral and multilateral programs. Since February 2022, she has coordinated the PAS support programs for Ukrainian scholars, launched in solidarity with Ukraine. In 2020 and 2021 she served as a secretary of the PAS Advisory Group on COVID-19. She conducted her research at the Metaphor Lab in Amsterdam and completed a doctorate in linguistics at the Jagiellonian University, Kraków. She is a fellow of the Young Leaders Fund run by the Tokyo Foundation for Policy Research and a Distinguished Humphrey Fellow with Executive Certification from the Harvard Kennedy School of Government, 2022.

PLANNING COMMITTEE MEMBERS

Rita Colwell, *Professor, University of Maryland Chair (Workshop Chair)*

Rita Colwell is distinguished university professor in the Center for Bioinformatics & Computational Biology at the University of Maryland at College Park and at Johns Hopkins University Bloomberg School of Public Health, senior advisor and chairman emeritus at Canon US Life Sciences, Inc., and founder and CEO of CosmosID, Inc. She is a microbial ecologist. Her research interests focus on global infectious diseases, water, and health. Colwell has studied the metabolism, systematics, evolution, and ecology of aquatic bacteria and viruses. Currently, she is developing an international network to address climate change and infectious diseases and water issues, including safe drinking water for both the developed and developing world. Other interests include K-12 science and mathematics education, graduate science and engineering education and the increased participation of women and minorities in science and engineering. Colwell served as the eleventh director of the National Science Foundation (NSF) from 1998 to 2004. In her capacity as NSF director, she served as co-chair of the Committee on Science of the National Science and Technology Council. She is the recipient of the National Medal of Science, Stockholm Water Prize, Order of the Rising Sun, Japan, Legion of Honor, France, and the Vanevar Bush Award, and has served on countless NAS committees. Colwell earned her Ph.D. in oceanography from the University of Washington.

Oleksiy Kolezhuk, *Head of Science Committee, National Council for Science & Technology Development (Workshop Chair)*

Oleksiy K. Kolezhuk is physicist and is the Head of the Science Committee at the National Council for Science & Technology and Development. He is also a professor of physics at the Institute of High Technologies of Taras Shevchenko National University of Kyiv (since 2010). He is also a leading Research Fellow at the Institute of Magnetism of the National Academy of Sciences of Ukraine (part-time). Currently, he is a Visiting Scholar (supported by a fellowship from the Alexander von Humboldt Foundation) at the Johannes Gutenberg University Mainz. He has been head of the Scientific Committee of the National Council of Ukraine on Science and Technology Development since 2019. His primary research is in the field of condensed matter

theory (low-dimensional spin systems). He has been a corresponding member of the National Academy of Sciences of Ukraine since 2021. He received a M.Sc. in 1988 at Kyiv State University; PhD in 1991 from the Institute of Metal Physics in Kyiv; Dr. habil. in 2001 from Hannover University; D.Sc. in 2004 from the Institute of Magnetism, Kyiv. He had the Heisenberg Fellowship of DFG (2004-2009) and research stays at Hannover University, Harvard University, and RWTH Aachen.

Bernard Amadei, *Distinguished Professor, Department of Civil Engineering, University of Colorado, Boulder*

Bernard Amadei is Distinguished Professor and Professor of Civil Engineering at the University of Colorado at Boulder. He received his PhD in 1982 from the University of California at Berkeley. Amadei is the Founding Director of the Mortenson Center in Engineering for Developing Communities. He is also the Founding President of Engineers Without Borders - USA and the co-founder of the Engineers Without Borders-International network. Among other distinctions, he is the 2007 co-recipient of the Heinz Award for the Environment; the recipient of the 2008 ENR Award of Excellence; the recipient of the 2015 Washington and ASCE OPAL awards; the recipient of the 2016 C. H. Dunn Award of the Construction Industry Institute; an elected member of the U.S. National Academy of Engineering and the National Academy of Construction; and an elected Senior Ashoka Fellow. In 2013 and 2014, Amadei served as a Science Envoy to Pakistan and Nepal for the U.S. Department of State. Amadei holds a commercial pilot license (multi-engine land, instrument).

Lidia Borell-Damián, *Secretary-General, Science Europe*

Lidia Borrell-Damián is the Secretary-General for Science Europe and Director for Research and Innovation at the European University Association (EUA), an association representing more than 800 universities and national rectors' conferences in 48 countries. With a doctorate in Chemistry, she has worked as an Associate Professor at the Universitat de Barcelona and the Universitat Politècnica de Catalunya. She spent time as a Visiting Scholar at North Carolina State University, USA, and The University of Western Ontario, Canada. She has also worked in the private sector as R&D Deputy Director at a chemical company in Spain and Director of the Research Area at the Universitat Pompeu Fabra.

Peter D. Gluckman, *President, International Science Council; Head of Koi Tū, the Centre for Informed Futures, University of Auckland*

Peter Gluckman became President of the International Science Council in October 2021. His term will continue until the General Assembly of 2024. He is also an ISC Fellow and a member of the Fellowship Council, as well as a member of the Global Commission on Science Missions for Sustainability. Gluckman is an internationally recognized biomedical scientist, and currently heads Koi Tū: The Centre for Informed Futures at the University of Auckland. From 2009-2018 he was first Chief Science Advisor to the Prime Ministers of New Zealand and from 2012-2018 Science Envoy for the New Zealand Ministry of Foreign Affairs and Trade. He was foundation

chair of the International Network of Government Science Advice (INGSA) from 2014-2021. He trained as a paediatrician and biomedical scientist, publishing over 700 papers and several academic and popular books. A key theme of his research has been on understanding how a baby's environment between conception and birth determines its childhood development and life-long health – and the impact that this knowledge has for individuals and whole populations. He co-chaired the WHO Commission on Ending Childhood Obesity (2013-2017). He is chief scientific officer of the Singapore Institute for Clinical Sciences. He has received the highest civilian and scientific honours in New Zealand. He is a fellow of the Royal Society of London, of the Royal Society of New Zealand a fellow of the Academy of Medical Sciences (UK) and a member of the National Academy of Medicine (USA). He holds a Distinguished University Professorship in the University of Auckland, New Zealand and honorary chairs at the University College London, University of Southampton and National University of Singapore.

Robin Grimes, *Foreign Secretary, The Royal Society*

Robin Grimes is Professor of Materials Physics at Imperial College London and Foreign Secretary for The Royal Society. Grimes' primary research interest is the application and development of computer simulation techniques to predict structural and dynamic properties of inorganic materials. He has used computer modelling to predict the structural and dynamic behavior of ceramics, metals, and semiconductors for energy applications. This has allowed him to identify ways in which atomic scale defects modify materials properties. He has investigated a wide range of properties, including thermal conductivity and how materials deform and how atoms are transported through solids. While best known for modelling nuclear materials, he has worked as much on electrochemical systems, optical, and electronic materials. Prior to joining Imperial College, Grimes was assistant director of the Davy Faraday Research Laboratory at the Royal Institution, and he spent the year 2000 at Los Alamos National Laboratory as Bernd T. Matthias Scholar. Grimes served as chief scientific adviser to the UK Foreign Office from 2013 to 2018. In that position he mainstreamed science as a tool in the UK's diplomatic tool box, using science evidence and science networks to place science collaboration at the heart of key international relationships. He maintains a leading role in the nuclear energy academic community as Ministry of Defence Chief Scientific Advisor on nuclear science and technology matters since 2017. Grimes received a Ph.D. in material sciences from Keele University in 1988.

Brett Makens, *Eagleburger Fellow, Novo Nordisk Foundation*

Brett Makens currently serves as an Eagleburger Fellow with the Novo Nordisk Foundation (NNF) where he serves as the U.S. representative focused on expanding scientific and research ties with U.S.-based institutions. Prior to the current fellowship, Brett has served as a U.S. diplomat since 2006 including tours focused on science diplomacy in Copenhagen, Geneva, and Berlin. He has been awarded four Superior Honor Awards by the U.S. State Department and holds a JD/MA from the University of Denver and a BA from Michigan State University.

Kimberly Montgomery, *Director, International Affairs and Science Diplomacy, American Association for the Advancement of Science*

Kim Montgomery is the Director of International Affairs and Science Diplomacy. In this role, she advises on bilateral and multilateral relationships and manages the AAAS Center for Science Diplomacy. She also serves as the Executive Editor of the policy journal Science & Diplomacy. Montgomery has worked in science policy and international affairs in the U.S. and Austria. In Austria, she managed and advised on international relationships for the International Institute for Applied Systems Analysis (IIASA) and was a scientific consultant for the International Atomic Energy Agency (IAEA). Her U.S. experience includes six years at the U.S. House of Representatives as professional staff for the Committee on Science, Space, and Technology and as a legislative assistant for Representative Rush Holt (NJ-12). Directly prior to joining AAAS in 2021, Montgomery was a senior program officer at the Nuclear Threat Initiative (NTI) in the Scientific and Technical Affairs program. She was also an AAAS Science and Technology Policy Fellow at the National Science Foundation's Office of Legislative and Public Affairs. She received her Ph.D. in psychology and neuroscience from Princeton University and has a bachelor's degree in cognitive science from Northwestern University.

Olga Polotska, *Executive Director of the National Research Foundation of Ukraine (NRFU)*

After obtaining her PhD in Philology (Germanic languages) in 2004, she was Lecturer, Head of the English Language Department (School of Foreign Languages) and Senior Lecturer of the Department of English Philology at V.N. Karazin Kharkiv National University until 2019. Polotska has a wide experience in teaching and lecturing, administrative experience in the field of education and international partnership as well as developed skills of organization of scientific conferences, seminars, contests and olympiads. During her time at V.N. Karazin Kharkiv National University, her research was mainly connected with ways of building a sustainable system of academic and research integrity in universities. She has participated in various international partnership projects in the field of management and organization of education. In 2019-2023 Polotska completed several training courses (MBA level) at Marketing School of Kyiv-Mohyla Business School. She is author of over 65 research publications. She has experience of planning and development of complex projects (e.g. Horizon Europe Office in Ukraine), negotiating with national and international policy-makers and stakeholders, and strategic planning.

Yegor Stadnyi, *Senior Vice Rector, Kyiv School of Economics*

Yegor Stadnyi is a vice rector at Kyiv School of Economics. He served as the Deputy Minister of Education and Science of Ukraine in 2019-2020. Before that, he worked at the Cedos think tank (Kyiv, Ukraine) and as a consultant for the World Bank dealing with public policy analysis in the education sphere.

Alfred Watkins, *Founder and Chairman, Global Solutions Summit (moderator)*

Alfred Watkins is the Founder and the Chairman of the Global Solutions Summit (GSS), which focuses on promoting the large-scale deployment in emerging markets of commercially viable, financially sustainable development solutions. Prior to founding the GSS, Watkins worked for more than 23 years at the World Bank and served as the World Bank's Science and Technology Program Coordinator and head of the World Bank's Science, Technology and Innovation Global Expert Team. He has extensive on-the-ground experience leading science, technology, and innovation capacity-building programs in Africa, Asia, and various countries in the Former Soviet Union, including Russia, Ukraine, Kazakhstan, and Latvia. Watkins organized two World Bank Global Forums on Science, Technology and Innovation Capacity Building for Sustainable Development (one in 2007 and another in 2009) and four Global Solutions Summits which convened at the US Department of State (2014), Clinton Presidential Library (2016), and UN Headquarters (2018 and 2019). Before joining the World Bank, he also served as a legislative assistant/staff economist in the U.S. Congress and was an assistant professor at the University of Texas at Austin. In March 2017, United Nations (UN) Secretary-General António Guterres appointed him to a 3-year term on the Governing Council of the Technology Bank for the Least Developed Countries (LDCs). He was reappointed to a second 3-year term in January 2020. Watkins received his Ph.D. in Economics from the Graduate Faculty of the New School University.

Donald Winter

Don Winter is an independent consultant supporting national and international security interests in the US and allied nations. He served as the 74th Secretary of the Navy from January 2006 to March 2009. As Secretary of the Navy, he led America's Navy and Marine Corps Team and was responsible for an annual budget in excess of \$125 billion and almost 900,000 people. Winter's prior business career in the aerospace and defense industry spanned over 30 years as a systems engineer, program manager and corporate executive. From 2009 to 2020, he was a Professor of Practice at the University of Michigan where he taught graduate level courses on systems engineering, satellite design, and maritime policy. Since 2011 he has served in multiple roles assisting the Commonwealth of Australia in their efforts to reconstruct the Royal Australian Navy's fleet and establish a sustainable shipbuilding capability. During 2019 to 2021 he also served as the US DoD's Senior Defense Industry Advisor for Ukraine. Winter has been a member of the National Academy of Engineering since 2002.

ADDITIONAL LEADERSHIP

Yulia Bezvershenko, *Consultant, NASEM*

Yulia Bezvershenko is a Ukrainian policy-maker who works on science and innovation (S&I) policy with a specific focus on institution building, promoting science, and creating a knowledge-based economy and society in Ukraine. During 2020-2021, she served as a Director-General of the Directorate for Science and Innovation, Ministry of Education and Science of Ukraine. It is a unit responsible for national-level S&I policy development, implementation of

S&I programs, and international S&I cooperation. As a scientist and activist, Bezvershenko has been deeply involved in the Ukrainian S&I reform since 2014, co-authoring a new version of the Law on Scientific and Technical Activity, advocating its approval, and working on its implementation. In addition, she has been a co-founder and Vice-President of the NGO Unia Scientifica and the Young Scientists Council of the National Academy of Science of Ukraine (till 2019). Yulia Bezvershenko is a Ukrainian Emerging Leaders Program 2021-2022 Fellow at the Center of Democracy, Development, and Rule of Law, Stanford University. In 2022 she co-facilitated the Subgroup on Science of the National Council for the Recovery of Ukraine from the War. Bezvershenko holds a Master of Public Policy and Governance from the Kyiv School of Economics, a Ph.D. in Theoretical Physics from the Bogolyubov Institute for Theoretical Physics, and an MSc in Physics from the National University Kyiv-Mohyla Academy.

Cathy Campbell, *Chair, NASEM RESET Ukraine Action Group; (Retired) President/CEO, CRDF Global*

Cathy Campbell is a retired executive specializing in international science and technology programs, policy, and management. Previously, she led U.S. science and technology initiatives, primarily with the USSR, Ukraine, Russia and other Eurasian states, at the White House Office of Science and Technology Policy, Department of Commerce, and Department of State. In 2016 she retired from CRDF Global, where she served as President and CEO. Cathy is an elected Fellow of the American Association for the Advancement of Science (AAAS) and was a Visiting Scholar at the AAAS Center for Science Diplomacy in 2017–18. She currently is a member of the NASEM Roundtable on Global Science Diplomacy, the Board of Governors of the US-Israel Binational Science Foundation (BSF), and the Advisory Board of the Penn State University School of International Affairs. Cathy chairs the NASEM Rebuilding Engineering, Science, Education and Technology (RESET) Ukraine Action Group. Cathy earned a B.S. in Russian from Georgetown University and a M.A. in Russian and East European Studies from George Washington University.

E. William Colglazier, *Senior Scholar, Center for Diplomacy, American Association for the Advancement of Science / Editor-in-Chief, Science & Diplomacy (co-chair, NASEM Global Science Diplomacy Roundtable)*

E. William Colglazier is Editor-in-Chief of *Science & Diplomacy* and Senior Scholar in the Center for Science Diplomacy at the American Association for the Advancement of Science (AAAS). He served as the fourth Science and Technology Adviser to the Secretary of State from 2011 to 2014. From 1994 to 2011, he was Executive Officer of the National Academy of Sciences and the National Research Council where he helped to oversee the studies that provide independent, objective scientific advice on domestic and international public policy issues. Colglazier received his Ph.D. in theoretical physics from Caltech in 1971, and prior to 1994 worked at the Stanford Linear Accelerator Center, the Institute for Advanced Study in Princeton, the Center for Science and International Affairs at Harvard's Kennedy School of Government, and the University of Tennessee. He is a past chair of the Forum on Physics and

Society and the Committee on International Scientific Affairs of the American Physical Society (APS) and a Fellow of the AAAS and APS. In 2015 he received the Joseph A. Burton Forum Award from the APS for “outstanding contributions to the public understanding or resolution of issues involving the interface of physics and society” and the Order of the Rising Sun, Gold Rays with Neck Ribbon from the Government of Japan for “contributing to science and technology exchange and mutual understanding between Japan and the United States.” From 2016 to 2018, Colglazier served as co-chair of the Ten Member Group appointed by the U.N. Secretary General to advise on science, technology, and innovation for achieving the 17 Sustainable Development Goals of the UN 2030 Agenda.

Katherine Himes, *Director, James A. and Louise McClure Center for Public Policy Research, University of Idaho (co-chair, NASEM Global Science Diplomacy Roundtable)*

Katherine Himes, Ph.D. practices muddy boots science policy. Her expertise includes natural resources, collaborative governance, research partnerships, science diplomacy and international development. Currently, Himes is co-chair of the U.S. National Academies Roundtable on Global Science Diplomacy, associate editor of the journal *Science & Diplomacy*, vice chair of the University Network on Collaborative Governance (UNCG), vice president of the Boise Committee on Foreign Relations (BCFR) Board of Directors and member of the City Club of Boise Board of Directors. She also serves on grant review panels for the U.S. National Science Foundation, National Academy of Sciences and Department of State. Before joining the McClure Center in 2017, Himes was an American Association for the Advancement of Science (AAAS) Science & Technology Policy Fellow. In the U.S. Foreign Service, she served as regional science advisor at the U.S. Agency for International Development (USAID) Mission to Central Asia and supported science and technology in five countries of the former Soviet Union: Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan, as well as Afghanistan. She also served as special assistant to the provost at the University of Minnesota during a major strategic positioning initiative. Himes earned a Ph.D. and B.S. in neuroscience at the University of Minnesota, and an MBA in entrepreneurship at the University of Wisconsin-Madison.