

# Seminar on the Export Control of Dual-use Materials and Technologies in GUAM Countries

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## Participant's Biography

**Curtis “BJ” BJELAJAC** is the Executive Director and Head of Diplomatic Mission of the intergovernmental Science and Technology Center in Ukraine (STCU), headquartered in Kyiv, Ukraine. Mr. Bjelajac is the STCU’s sixth Executive Director, having been appointed to this position in 2014. 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 include European Union, Ukraine, the United States of America, Azerbaijan, Georgia, and Moldova.

From 1999 until 2014, Mr. Bjelajac was the Chief Financial Officer of STCU, responsible for managing over \$20 million per year in financial transactions, as well as supervising the STCU Financial Office of project accountants and IT systems staff. Previous to this, Mr. Bjelajac also was a senior business consultant for Arthur Anderson LLP, leading and executing a blend of process, technology, financial, and innovative implementation methodologies creating sustainable competitive advantages for over 15 clients within the entertainment, manufacturing, banking, and property management industries.

Mr. Bjelajac graduated with a bachelor’s of science degree in accounting from California State University Long Beach and an M.B.A in Entrepreneurial Studies from the Anderson School of Management at the University of California Los Angeles. He is married to Oksana Strashna, and has two children, Vladislava and Seamus.

**Dr. Akaki PEIKRISHVILI** is a Senior Specialist and the Head of the STCU informational office in Tbilisi, Georgia (since 2001). The STCU Office in Tbilisi coordinates the different type international projects (TI, partner and infrastructural) and provides information, training, and technical assistance on a wide range of BIO/Nuclear/info /Engineering security-related topics associated with services, prevention, technology transfer, community collaboration, public health, and IPR protection. More than 150 STCU projects were prepared and completed under his personal coordination. His activity includes participation in international trainings and scientific forums (exhibitions, symposiums; conferences) too.

Dr. Peikrishvili’s primary area of research was focused on materials science. He is author of more than 100 scientific articles published in international journals and proceedings. He is author of many innovations protected by local and international patents too. Dr. Akaki Peikrishvili is associate member of Academy of Engineering Science of Georgia and member of advisory committee of international symposium EPNM.

**Alexandru GOTEANSCHII** is the Head of the Radiation and Chemical Control at the Border of the General Inspectorate of the Border Police of MIA of Republic of Moldova

**Alfreda ROSCA, PhD** is the Senior Specialist and head of the STCU Office in Chisinau, Republic of Moldova since 2005. The STCU Office in Chisinau coordinates different type of international projects (TI, partner and infrastructural), provides technical assistance, trainings to the scientists, including former weapon researchers, CBRN specialists in STCU projects implementation, technology transfer, relations of collaboration establishing and finding partners, advices on the intellectual property protection. More than 200 STCU projects were prepared and completed under her personal coordination. Her activity includes participation in international trainings and scientific forums

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(exhibitions, workshops, conferences). The primary research area was focused on plant physiology and management of science and innovation. She is author of more than 80 scientific articles published in national and international journals and proceedings.

**Dr. Aliona MEREUȚA** is a chemist by training. She graduated from the State University of Moldova, Department Ecological and Industrial Chemistry. She received a PhD degree from the same University in the Specialty of the Technology of Special Products.

In her carrier, Aliona Mereuța among other positions served as the Head of the Department of Physics and Chemistry of the State University of Moldova and the Director of the State Enterprise Izomer of the ASM.

Currently, she is working at the position of the Dean at the Faculty of Exact Sciences.

Paying most attention to solid waste management as her main research interest, she has published more than 60 scientific works.

**Dr. Angelo MINOTTI's** activities are primarily in the Dual Use and Arms Control, Fluid dynamics, Combustion and Propulsion issues.

Dr. Minotti has two Master Degrees (Mechanical Engineering and Astronautics Engineering), a Master of Science (Space Transportation Systems) a PhD (Theoretical and Applied Mechanics) and a Postdoc (Aerospace Propulsion).

Following the above, he was appointed as Assistant Professor in Space Propulsion (2011-2013) and as Assistant Professor in Space Systems (2013-2016), at the Sapienza University of Rome.

He has been the creator and professor of the first Academic Technical Course on Dual Use and Arms Control, which has been delivered at the Aerospace School of Engineering in 2016 and in 2017 (Sapienza University of Rome, 9ECTS).

He has been involved in, and has managed, many national and international scientific research projects.

Moreover, he has been collaborating and/or supporting, since 2003, private Companies, Industries, International Research Centres and Institutions, International Law Firms, the Italian Government, the EU and the UN on issues related to national and international security.

**Anne HARRINGTON** is currently the Principal at Harrington Consulting LLC, and is a member of the Global Security Directorate Advisory Group of Oak Ridge National Laboratory and the European Joint Research Centre High Level Group.

She served as the Deputy Administrator for Defense Nuclear Nonproliferation in the U.S. Department of Energy's National Nuclear Security Administration from October 2010 until January 20, 2017, where she was responsible for programs that eliminated or secured thousands of metric tons of highly enriched uranium and plutonium, disposed of radiological sources in the United States and internationally, promoted strong global nuclear security practices, and promoted responsible peaceful nuclear trade. Her previous nonproliferation responsibilities include five years as the

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Director of the U.S. National Academy of Sciences Committee on International Security and Arms Control (CISAC) and 15 years as a senior U.S. government expert on engaging science for nonproliferation and cooperative threat reduction at the U.S. Department of State. She lectures regularly on a variety of nonproliferation and science/policy issues and has edited a number of articles and papers on a range of nonproliferation topics.

**Archil KVITASHVILI** is the Head of Department for military and technical communication of the Ministry of Defense of Georgia.

**Dr. Arif Ala MEHDIYEV** is the Head of Department of Molecular Basis of Integrative Activity in the Academician Abdulla Karayev Institute of Physiology, NAS of Azerbaijan Republic. His responsibilities include supervising research studies in his Department. The main direction of the studies include purification and analysis of the role of serotonin-modulating proteins in memory formation in the model studies, of the role of these proteins in adaptation to adverse conditions of different origin, drug addiction correction.

A.A.Mehdiyev has been working in the Abdulla Karayev Institute of Physiology immediately after graduating from the Institute.

A.A.Mehdiyev graduated from Azerbaijan State Medical Institute in 1979 y. He defended thesis to getting a scientific degree of Candidate of Medical Sciences in 1986 y. and defended a thesis to getting a scientific degree of Doctor of Biological Sciences in 2007 y. He is an author of 157 publications including 67 articles, one monograph and one patent.

**Prof. Artur BUZDUGAN** is the Program Head on Biomedical Engineering, Director of the National Nuclear Security Support Centre, responsible for QA and QC according the ISO 9001-2008 for the purposes of accreditation at the Department of Microelectronics and Biomedical Engineering, Technical University of Moldova. He is an Expert of the National Council on Accreditation and Attestation (since2008).

In 2007-2016, A. Buzdugan was the Director and a State Inspector at the National Agency for Nuclear and Radiological Regulation of the Republic of Moldova.

In 1975- 2007, A. Buzdugan worked at the Academy of Sciences of the Republic of Moldova: engineer, senior engineer, scientific researcher, senior scientific researcher, deputy head of the Laboratory, director of the Centre, director of the section.

A. Buzdugan graduated from Technical University from Moldova, Diplomas on: Engineer on Electron Devices, Ph.D, D. Sc., senior scientific researcher. He was trained on: semiconductor physics and devices, commercialization of sciences, nuclear security and safety, non-proliferation, nuclear forensics, nuclear legislation, INIS, and others.

A. Buzdugan has more than 200 publications, 8 books, 30 certificates of inventions.

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**Ashley FULLENWIDER** is a Section Manager for the Center for Strategic Security at Argonne National Laboratory. She serves as the Laboratory Lead for the U.S. Department of Energy's International Nonproliferation Export Control Program's work in Armenia, Azerbaijan, Georgia, Moldova and Ukraine. Ashley has worked in the field of export controls since 2001 when she was stationed in Kyiv, Ukraine. She has extensive regional experience, in addition to subject matter expertise in enterprise outreach.

**Prof. Avtandil SILAGADZE** (born on February 5, 1954) is a Georgian economist and politician. He has been an Academician of the Georgian National Academy of Sciences since 2013 and was a Corresponding Member of the Georgian National Academy of Sciences from 2001 to 2013. From 2003 until 2008, he was a Member of the Parliament of Georgia.

A. Silagadze graduated from Ivane Javakhishvili Tbilisi State University, Faculty of Economics in 1977 and completed post-graduate courses at the same university in 1980. He earned his doctorate in 1989 and became a professor the following year.

Since 2014, he has been the Professor and Chair of the Department of International Economics and Economic History in the Faculty of Economics and Business at Ivane Javakhishvili Tbilisi State University (TSU). From 2009 to 2013 he was a Full Professor of Tbilisi University of International Relations.

In 2003 - 2008 - a; 1998 - 2006 – Vice-Rector, Professor and Chair of the Department of International Economics and Economic History, Faculty of Economics and Business, TSU; 1992 - 1998 - Chairman of the Chamber of Control of Georgia, then- Minister of State Property Management;[1] 1990 - 1994 - Professor of Iv. Javakhishvili Tbilisi State University; 1986 - 1992 - Dean of the Faculty of Economics of Iv. Javakhishvili Tbilisi State University; 1981 - 1990 - Associate Professor of Iv. Javakhishvili Tbilisi State University. Avtandil Silagadze is the head of authors' group and editorial board of the first Georgian Encyclopedic Dictionary of Economics.

(2001-2013) corresponding member of the Georgian National Academy of Sciences; (1996-) Academician of the: International Academy of Education, Industry and Arts, California (USA); (1997-) Academician of the International Academy of Economics and Entrepreneurship of the Russian Federation; (2001-) Co-chair of the Association of Georgian Economists.

In 2004, A. Silagadze won the Georgian State Prize in Science and Technology.

**Checheyuk LIUDMILA** is the Director of the Department of Analytical and Legal Work, Interdepartmental and International Cooperation. Ms. Checheyuk has 25 years experience in the system of state export control. She is trained to ensure fulfillment of Ukraine's international obligations in the field of non-proliferation and export control; drafting normative acts in this area; methodical work on the establishment and state certification of the systems of internal export control (ISR); is engaged in forecasting and analytical work. Ms. Checheyuk has printed publications on export control issues.

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**Christos CHARATSIS** is a multidisciplinary practitioner with academic and public sector experience in strategic trade controls and international security.

He presently works as project officer at the European Commission Joint Research Centre providing support to the harmonized implementation of the EU dual-use regulation and to the EU Partner-to-Partner Export Control Outreach Program.

He holds a doctoral diploma in Political Science from the University of Liege with a focus on the implications of export control law for research organizations.

**Corneliu RADU** is the Head of the Border Control General Directorate at the General Inspectorate of the Border Police of MIA of Republic of Moldova.

### **Dali CHICHINADZE**

Born on July 31, 1979. She received her Bachelor degree in Physics from the State University of Tbilisi in 2000. At the same time, she graduated from the Faculty of Arts and Humanities of the University for the Specialty of Jurisprudence. Her Master degree in Physics (Geophysics) she received after graduating in 2014 from the Department of Geophysics of the Physical Faculty of the State University of Georgia. Her last degree of Master of Law, Dali Chichinadze received from the Tbilisi Open Teaching University, Faculty of Law, in 2010.

From 2010 to 2015, she worked in the Customs Department of the Revenue Service of Georgia. Her core functions were: coordination of movement of dual use items, military weapons and nuclear and radioactive materials on customs border as well as issuing permits on dual-use items. Together with EU experts and Georgian colleagues, she participated in drafting of the Law and sub Laws on National Trade Control dealing with Military and Dual-Use Items published in 2014.

Currently, D. CHICHINADZE is working for the Agency of Nuclear and Radiation Safety (since 2015) as a regulatory. Her core functions are: participation in authorization process; granting of licenses and permits; registration of nuclear and radioactive materials, sources of ionizing radiation, facilities, licenses and permits etc; Review of annual reports of licensees.

**Dmytro CHEBERKUS** is the Director of the Science and Technology Department at the Ministry of Science and Education of Ukraine.

### **Doina SOLODCHI**

Since August 2016, she works for Moldovan Chamber of Commerce in position of a Methodist. Since November 2016, after having attended special courses she was transferred to the position of a Specialist in Customs Services and Certification of The Goods of the Division for International Trade. She provides customs broker's service, export certification, approval of commercial documents and issuance of ATA Carnets. She is the expert in the food division.

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**Dr. Quentin MICHEL** graduated from the University of Liege (Doctorate). He is Ordinary Professor in European Studies at Department of Political Science Liège University.

His current fields of researches are:

Decision making process of EU Institutions in particular the role of informal governance;

Strategic trade control regimes. A present research is devoted to the increasing responsibility of industries and exporters in the proliferation risk analysis.

EU sustainable development policies in regards with its links with other policies (impact assessment studies)

Nuclear regulation policies

His main last five publications are:

Controle van de handel in dual-use goederen: het juridische kluwen na de regionalisering, Belgische wapenhandel: Een politiek, economisch en ethisch hangijzer, ACCO, Leuven/Den Haag, 2014, 190 pages

De Lisbonne à Rome, Evolution article par article des traités institutionnels de l'Union européenne, Manuel, Presse Universitaires de Liège, Mai 2014, 796 pages

European Dual-Use Trade Controls Beyond materiality and Borders, Collection Non-Prolifération, PIE-Peter Lang, Bruxelles, Collection Non-Prolifération, PIE-Peter Lang, Bruxelles, 2013, 155 pages

Controlling the Trade of the Dual-Use Items, Handbook, Collection Non-Prolifération, PIE-Peter Lang, Bruxelles, Collection Non-Prolifération, PIE-Peter Lang, Bruxelles, 2013, 122 pages.

**Eddie MAIER** is the Deputy Head of unit at the European Commission Directorate-General for International Cooperation and Development's, Instrument for Stability and Nuclear Safety.

Experienced Principal Administrator with a demonstrated history of working in the government administration industry. Skilled in International Relations, Research, Politics, Policy Analysis, and International Organizations. Strong business development professional graduated from EHICS University Strasbourg, PhD.

**Elena TABERKO** began to work for the Science and Technology Center in Ukraine, a multi-nation, non-proliferation program in October 1997. She has been holding the position of the Partnership Program Manager for the last seven years. Elena is the person who encourages governmental programs and agencies to meet scientific needs by using STCU resources through matching core competencies of recipients to customer requirements.

Previously, Elena Taberko worked at the position a design engineer at "Pivdenne" State Design Bureau, Dnipropetrovsk (Rocket Engine Design Office under the Propellants Supply and Flow Control

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Systems Department). She developed engineering documentation (drawings, technical proposals, calculations) for conceptual designs of propellant supply and flow control systems.

Since Elena completed her studies of Mechanical Engineering (MS) at Dnipropetrovsk State University, she added to her education a University Specialized Course in Financial Management and received certification as "Project Manager Professional" PMP® from the Project Management Institute, USA. In 2008, she completed International MBA Program Course on the base of the Kiev Business School

**Eugeniu CAZACU** is the Head of Dual-Use Goods Circulation Control Service (Export Control Service) at the Ministry of Economy and Infrastructure of the Republic of Moldova.

E. Cazacu is responsible for the monitoring of international treaties and conventions (Treaty on Non-proliferation of Nuclear Weapons (NPT), Convention on the Prohibition of the Development, Production, Stockpiling and Use of Chemical Weapons, and on their Destruction (CWC), Arms Trade Treaty (ATT), etc), organizing activity of the Interdepartmental commission for the control of export, re-export, import and transit of strategic goods. He is in charge of receiving and reviewing applications and issuing authorizations and certificates in the field of export control. He is a Member of the Working Group for elaboration of CBRN defense strategy of the Republic of Moldova.

E. Cazacu graduated from the Academy of Economic Studies of Moldova (Chisinau, Republic of Moldova) and possesses a diploma in Economics in the field of Business Administration.

**Farida ASGARZADE** is the Director of the YUNUS Social Business Centre at UNEC (Azerbaijan State Economic University). She is a lecturer at the Baku State University in Economic Diplomacy and International Economic Relations as of 2016. Also she is the founder and executive director of HUMAN Foundation, a social platform for people of all nationalities, races, genders, religions and backgrounds created for the exchange of knowledge, skills and abilities in the name of a more socially and economically developed society.

**Prof. Giorgi KVESITADZE**, Professor of Biochemistry and Biotechnology, Ph.D., Dr.Sc.

Full Professor, Institute of Biochemistry and Biotechnology Agricultural University of Georgia; Honorary citizen of State Georgia, USA (2006); Member of the Georgian National Academy of Sciences; President of the Georgian National Academy of Sciences. Associated member of NATO Life Sciences and Technologies Panel (1999-2001); Member of Israeli-France Hi-Tech Association. Expert of Euro Council in Biotechnology (since 2000); Member of International Association of Academies of Sciences; Member of the European Academy of Sciences and Arts (2013); Member of the world Academy of Art and Sciences (2013). Was awarded Commemorative Medal for Science Promotion. International Association of Academies of Sciences (2014); Honorary Doctor of Don State Technical University (2015). MAIN FIELDS OF ACTIVITIES: Collection of mesophilic and extremophilic microorganisms (more than 1500 strains). Stable enzymes from microorganisms growing at extreme conditions. Elaboration of new technologies based on the action of microorganisms and their enzymes. Microorganisms and plants potential to assimilate and metabolize organic contaminants. Biological control of plant bacterial diseases.

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**George KOBESHAVIDZE** is a Deputy Head of the Customs Department. He supervises the issues of non-tariff control, special customs equipment (x-ray scanners, portable customs devices) and phytosanitary and veterinary border control; non-tariff control consists of non-tariff regulatory instruments for foreign economic activities. In addition our department is a licensing agency for dual-use goods. Therefore, G. Kobeshavidze responsibilities include a general analysis of strategic trading, which includes an important aspect, such as identification, classification and policy analysis. He also contributes to inter-agency cooperation at a high level on strategic trade control issues.

G. Kobeshavidze previous experience with customs was oversight and analysis of the customs clearance system in the customs control zones. He also dealt with issues related to the organization of special customs control and phytosanitary and veterinary border control, as well as dealing with issues related to the disclosure and prevention of administrative violations.

G. Kobeshavidze was graduated from Georgian technical University, Tbilisi Faculty of Civil Engineering and trained from Graduate School of Tbilisi State University in Stock Exchange Market, Stock Exchange Service; Tbilisi State University- majoring in Economics; Georgian Tax-customs Academy, Faculty of Customs Law.

### **Dr. Grigor TATISHVILI**

After graduating from Physics Faculty of I.Javakhishvili Tbilisi State University (1983) and postgraduate study at the R. Agladze Institute of Inorganic Chemistry and Electrochemistry, he received a PhD degree (physics and mathematics) at Georgian Technical University (1994);

During 1983-2006, he worked as a researcher at F.Tavadze Institute of Metallurgy and R.Agladze Institute of Inorganic Chemistry and Electrochemistry. The research concerned physical and chemical sciences, chemistry of composition materials, high-technology materials, metallic and nano coatings, theoretical investigation of kinetics of chemical and physical processes. In 2016, Grigor Tatishvili was awarded the Certificate of Honor from the Georgian National Academy of Sciences for Scientific Achievements in the field of Electrochemistry. He is an author of more than 50 published scientific works and of three patents (USA (1) and Georgia (2)).

Currently, he is holding the positions of the Director/ Head Researcher of the R. Agladze Institute of Inorganic Chemistry and Electrochemistry of the Tbilisi State University (since 2006) and of the Deputy Chair of Appeal Board of the National center of the education quality development of Georgia. (since 2016).

**Dr. Gulam BABAYEV** graduated from Azerbaijan State Oil Academy (currently, Azerbaijan State Oil and Industrial University) in 1996 with honor and with a degree of mining engineer-geophysicist. After graduation, he worked at State Oil Company of Azerbaijan Republic. In 1997, he was admitted at The University of Texas at Austin (USA). In Azerbaijan, he continued studies in geophysics. In 2001, he was admitted at the International Institute of Seismology and Earthquake Engineers (IISEE) and at OYO Corporation in Japan studying seismology and seismic hazard assessment technique. Back home in 2002, he continued his researches in seismology, participated in a number of events in GFZ courses, (GeoForschungZentrum, Germany), studied at The University of Genève under Swiss

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Development Cooperation scholarship (Switzerland), at Geophysical University of Karlsruhe under DAAD scholarship (Germany), at Milano Bicocca University under the Cariplo Foundation fellowship (Italy) on seismology and geohazards. He was a key collaborator in Azerbaijan for mutual projects funded by various governmental foundations, STCU, INTAS, BP within seismic monitoring studies.

In 2013-2016, he was the head of International Relations Office at the Presidium of ANAS. He has worldwide scientific recognition as the Deputy Head of Azerbaijan National Data Center for CTBTO and the Secretary-General of Azerbaijan National Committee for IUGG. In 2017, Gulam Babayev defended his post-doc dissertation in seismology.

Currently, he holds the position of Azerbaijan Regional Officer of STCU (since 2016).

### **Igor SAVULA**

Born on May 10, 1969. In 1990, he graduated from the Kharkiv Military Aviation Engineer Higher School. Then, until 1995, he served in the Ukrainian army at commander positions. During the period from 1995 through 2013, he occupied commander positions at the Security Service of Ukraine. This was followed by an assistant professor position at the National Academy of the Security Service of Ukraine (2013-2014). In 2014, he became a Division Director and a Deputy Department Head at the State Enterprise Ukroboronprom. Since 2016, Igor Savula has been working as the Acting Head of the State Service for Export Control of Ukraine.

**Dr. Ineke MALSCH** is the Director of Malsch TechnoValuation ([www.malsch.demon.nl](http://www.malsch.demon.nl)), a consultant in technology and society. She graduated in Physics and holds a PhD in Philosophy. Her thesis was on international ethical multistakeholder governance of nanotechnology. In EthicSchool ([www.ethicschool.nl/english](http://www.ethicschool.nl/english)), she offers training in Responsible Innovation. Her interests include biosecurity and ethics of dual use technologies.

**Dr. Iryna MAZUR** has been the Chief of the Entrepreneurship Department since 2009 at Faculty of Economics of Taras Shevchenko National University of Kyiv. She obtained Doctor of Science in Economics and became a Professor. In 2007, she defended doctoral thesis on the topic: Unshadowing of the economy in the transforming societies.

Scientific interests of Professor Mazur are: innovative-investment development of the entrepreneurial activity, unshadowing of economy, problem of corruption overcoming, the economic security, tax reform in Ukraine, problems of institutional environment forming in Ukraine, competition and competitiveness, competition development of enterprise in Ukraine, problems of intellectual property, philosophy of business, processes of globalization and their influence on the Ukrainian economy, forming of informative society.

She lectured and lectures such courses: Bases of economics, The shadow economy, Bases of entrepreneurial activity, The economic security.

Professor Mazur has more than 80 scientific works among them books and articles.

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**Dr. Kai ILCHMANN** holds a BSc in Biology, an MSc in Technology Innovation Management, and a PhD in Science Technology Policy from the University of Sussex. Currently he consults widely in the area of science technology governance. He is a Research Associate of the IANUS group of the Technische Universität Darmstadt; as well as at the Science Policy Research Unit (SPRU) at the University of Sussex, and has been part of the Harvard Sussex Program on Chemical and Biological Weapons (HSP) since 2003. Until recently he was a Teaching Fellow of the Institute of International Relations of the Catholic University of Rio de Janeiro (PUC-Rio).

His research interests are in the management and governance of innovation and technological risks, with particular regard to chemical and biological weapons. He has engaged with, participated in, and presented at a wide range of academic and expert meetings and conferences, including at NATO, OPCW, United Nations in Geneva & Vienna, UN Office of Disarmament Affairs, Ministries of Foreign Affairs (UK, Germany, Mexico, Columbia), and the European Commission.

**James JONES** works at the U.S. Embassy in Kyiv as Chief of the Export Control and Related Border Security (EXBS) Program in Ukraine. In this capacity he is responsible for engagement aimed at preventing the spread of weapons of mass destruction (WMD) and destabilizing accumulations and irresponsible transfers of conventional weapons. He helps build effective national strategic trade control systems, detection and interdiction systems and enforcement mechanisms by focusing on five key pillars: Laws and Regulation, Licensing, Enforcement, Government-Industry Cooperation and Interagency and International Cooperation and Coordination.

Before being hired by the U.S. Department of State, Mr. JONES served as the Chief Operations Officer at AeroNavData Inc. As a federal contractor he worked with the Federal Aviation Administration, Department of Defense, and U.S. Air Force on numerous projects related to aircraft navigation and aviation safety.

Prior to his civilian career, Mr. JONES served in the U.S. Coast Guard for nearly 25 years and retired in 2008 as a senior field grade officer. Throughout his military career, Mr. JONES specialized in operations including maritime border security and national defense with a secondary specialty in training. Serving at all levels within the Coast Guard from tactical teams to the National Command Center; he worked with a wide variety of people and organizations including U.S. and foreign governments, state and local law enforcement agencies as well as many civic groups. He was actively involved in search and rescue from the Gulf of Alaska to the Gulf of Mexico, counter-narcotics operations in the southern Caribbean and Eastern Pacific, and defense operations in the Red Sea during Operation Desert Storm. He also served as the Director of Leadership and Management at Officer Candidate School where he trained candidates to be junior military officers. Mr. JONES lived in the twin-island nation of Trinidad and Tobago while serving in the U.S. Embassy in Port of Spain. In his capacity as the U.S. Defense Representative and Military Liaison Officer, Mr. JONES worked with the local Defence Forces to build capacity for defending against border incursions, protecting natural resources, and preventing the flow of illegal drugs and weapons.

While serving on active duty, Mr. JONES earned a Master's Degree in National Security and Strategic Studies from the U.S. Naval War College in Newport, Rhode Island and a Bachelor's Degree in Applied Science from the University of Alabama in Tuscaloosa. Mr. JONES is also a certified Project Management Professional.

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**Dr. Jean Pascal ZANDERS** (Belgium) is an independent researcher/consultant on disarmament and security questions. He heads The Trench, a research initiative dedicated to the future of disarmament. He is also a Senior Research Associate at the Fondation pour la Recherche Stratégique (Paris).

He holds Master's Degrees in Germanic Philology-Linguistics (1980) and Political Sciences (1992) and a PhD Degree in Political Sciences (1996) from the Free University of Brussels. He was Project Leader of the Chemical and Biological Warfare Project at the Stockholm International Peace Research Institute (1996– 2003); Director of the Geneva-based BioWeapons Prevention Project (2003–08) and Senior Research Fellow at the European Union Institute for Security Studies (2008–13).

He has participated as an expert to the Belgian and EU Delegations in the BTWC and CWC meetings since 2009. Since 2016 he is the Chairperson of the Advisory Board on Education and Outreach of the Organisation for the Prohibition of Chemical Weapons (OPCW).

As Director of the BioWeapons Prevention Project he was entrusted with the implementation of the first EU Joint Action (2006–08) in support of the Biological and Toxin weapons Convention (BTWC). He assisted the BTWC Implementation Support Unit with the implementation of the first phase of the EU Council Decision 2016/51 (March – September 2016) and with execution of Council Decision projects in support of universalisation, national implementation and science and technology dialogues between government officials, scientists and civil society (May–October 2017).

He is currently running a project on the longer-term future of the Chemical and Biological and Toxin Weapons Conventions and researches CBW disarmament in the Middle East. He edited a book entitled *Innocence Slaughtered: Gas and the Transformation of Warfare and Society* (Uniform Press: London, 2015). He is the author and presenter of the e-learning module on chemical weapons produced by the Peace Research Institute Frankfurt (PRIF) for the EU No-Proliferation Consortium. He is currently writing a two-volume study re-examining the history of chemical and biological warfare (Elsevier, 2018 and 2019). He is also preparing some studies on the implementation of Article VII of the BTWC and co-authored with Dr Elisande Nexon and Dr Ralf Trapp the Report of the Tabletop Exercise (TTX) on the Implementation of Article VII of the Biological and Toxin Weapons Convention (Fondation pour la Recherche Stratégique, Paris, July 2017).

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As Director of the BioWeapons Prevention Project he was entrusted with the implementation of the first EU Joint Action (2006–08) in support of the Biological and Toxin weapons Convention (BTWC). He assisted the BTWC Implementation Support Unit with the implementation of the first phase of the EU Council Decision 2016/51 (March – September 2016) and with execution of Council Decision projects in support of universalisation, national implementation and science and technology dialogues between government officials, scientists and civil society (May–October 2017).

He is currently running a project on the longer-term future of the Chemical and Biological and Toxin Weapons Conventions and researches CBW disarmament in the Middle East. He edited a book entitled *Innocence Slaughtered: Gas and the Transformation of Warfare and Society* (Uniform Press: London, 2015). He is the author and presenter of the e-learning module on chemical weapons produced by the Peace Research Institute Frankfurt (PRIF) for the EU No-Proliferation Consortium. He is currently writing a two-volume study re-examining the history of chemical and biological warfare (Elsevier, 2018 and 2019). He is also preparing some studies on the implementation of Article VII of the BTWC and co-authored with Dr Elisande Nexon and Dr Ralf Trapp the Report of the Tabletop Exercise (TTX) on the Implementation of Article VII of the Biological and Toxin Weapons Convention (Fondation pour la Recherche Stratégique, Paris, July 2017).

**Dr. Kamen VELICHKOV** combines the work of a career diplomat with his academic research and lecturing. He served in various diplomatic capacities, including as Foreign Policy Advisor to the President of the Republic of Bulgaria, Chargé d’Affaires of the Bulgarian Embassy in Israel, Ambassador of Bulgaria to the Netherlands, Ambassador to Thailand, Head of Political, Press and Information Section of the European Union Delegation to Kazakhstan. He was diplomatic representative to the Organization for Prohibition of Chemical Weapons and a member of its Executive Committee. He delivered university courses at the College of Europe in Belgium, the University of Leiden in the Netherlands, the Sofia University in Bulgaria, the Nazarbayev University in Kazakhstan. Currently he lectures on European integration at the Gumilyov Eurasian National University. As a Senior Programme Manager and Diplomatic Advisor with the International Science and Technology Center in Astana, he is in charge of EU-funded regional programmes, implemented in Central Asia and in Africa.

**Assoc. Prof. Mansur BARKHUDAROV** is the director of Russian Economic School in Azerbaijan State University of Economics (UNEC). His area of study is the international economic relations and global economy. Having solid experience as an independent entrepreneur during his academic activity he prepared several teaching aids on the topic of "Economic Security of The State", "Trans National Corporations", "World Economy" and others. He is also guest lecturer in the University of Western Macedonia, Siegen University, Kiev National University and number of universities in Russia. Besides that he has attended dozens of international forums and international conferences organized in Ukraine, Germany, Russia, Greece, Turkey, Iran, Georgia, Kazakhstan, Uzbekistan, Kyrgyzstan and other countries. "Foreign Policy Problems of Cooperation of the South Caucasus and Central Asia Countries in a Globalizing World" is the main scientific – research topic of his. He periodically acts as an expert in mass media of Azerbaijan. He is now working on his Doctor’s thesis on “Foreign Policy

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## Participant's Biography

Problems of Cooperation of the South Caucasus and Central Asia Countries in a Globalizing World”. Moreover he is also director of the Centre of Cognitive Economics in UNEC.

**Maria J. ESPONA**, Biologist (1994), Master en Terrorism Studies (2013) and currently doing PhD studies on biological weapons and epidemiology at the UGR, in Spain. She is an expert in the WMD field, especially in the CBW arena and she has several publications on that topics. She teaches in Postgraduate Courses Science and Technology and Disarmament, Research Methodologies, Information Quality and Intelligence. She is working as technical advisor on export control of dual use goods and technologies for the EU.

Currently is the leader of the following projects: TI CBRN Export Control on Dual-Use Materials and Intangible Technologies in Central Asia (ISTC) and CBRN Export Control on Dual-Use Materials and Intangible Technologies in GUAM Countries (STCU).

In 2009, she started with Eduardo Gauna, the Information Quality Program in Argentina (ArgIQ). She is founder member and Vice-president of the Iberoamerican Association for Information Quality. She received in 2010 the Leadership Award from the MIT IQ Program and in 2011 the second MIT IQ award due to the Outstanding Contribution to the field among other awards.

### **Dr. Nino GACHECHILADZE**

Born on August 6, 1968 in Tbilisi, Georgia. In 1990 N. Gachechiladze was graduated from Ivane Javakhishvili Tbilisi State University (TSU), faculty of biology, specialty – microbiology, virology and molecular biology. In 1988 -1996 worked at the laboratory of Immunoregulation and Immunobiotechnology of TSU at various positions: as a junior researcher and senior researcher. In 1994 she has defended PhD dissertation and earned PhD degree in Biology, specializing in Allergology and Immunology. During 1996 - 2006 worked as a head of the TSU Immunoregulation and Immunobiotechnology Laboratory. Since 2006 up to present works at the Faculty of Exact and Natural Sciences TSU, Department of Biology, Immunology and Microbiology Division at the position of Associate Professor.

Simultaneously, during the period of 2000-2013 she worked at the Jo Ann Medial Center (Tbilisi, Georgia) as the head of Immunohematology Laboratory, is certified specialist of laboratory medicine.

N. Gachechiladze has started her work at Shota Rustaveli National Science Foundation (Georgia) as a Deputy Head of Grants and Programs Administration, Evaluation and Analysis Department since in June 2015. Since August 2017 up to present she holds the position of deputy director of Shota Rustaveli National Science Foundation of Georgia.

With regards to research career: she is an author of one monography and 26 scientific articles published in various peer reviewed journals, participant of more than 40 international scientific events (conferences, congresses, seminars), was involved in 6 national and 4 international scientific grant projects and 6 international educational projects (TEMPUS).

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**Oleksiy YURKO** is a Senior Specialist of the State Examination Department for International Transmissions of Special Substances, Materials, Special Equipment and Technologies of the State Examination Department at the State Service for Export Control of Ukraine. The main field of activity is the identification of goods subject to state export control.

**Olga BURMICH** is the Head of Division of State Export Control, Department of Strategic Development of Defense and Security Sector at the Ministry of Economic Development and Trade of Ukraine.

**Olga TRETIACOV** is a Senior Advisor, Ministry of Education, Culture and Research of the Republic of Moldova. Her job profile and responsibilities include: policies in the field of research and innovation; elaboration and expertise of the normative acts and policy documents on research and innovation; monitoring of bilateral and multilateral research and innovation programs; collection and analysis of the reports on the implementation of research projects; preparing reports on the current situation of research and development.

O. Tretiacov worked as a Lecturer at Moldova State University, Department of private law. 2000-2004, she was graduated Moldova State University, Faculty of Law. 2005 she obtained master degree at Moldova State University, Faculty of Law.

Publications: *Discussion on the application of rules governing companies' activity on individual entrepreneurs in Moldova* // CurentulJuridic, Vol 53, Iss 2, Pp 145-149 (2013); *Some notes on the duty of the associates of a limited liability company to pay up contribution to the registered capital*, in Materials for the International Scientific Conference „Instituții juridice contemporane în contextul integrării României în Uniunea Europeană/ Contemporary legal institutions in the context of integration of Romania into the European Union”, Bucharest, 2013; *Legal aspects of bankruptcy of the individual entrepreneur*// Contemporary Legal Institutions, Vol. 8, ISSN2360-3496, 2016.

**Dr. Richard GUTHRIE** is the CBW Events Co-ordinating Editor. Richard has worked in and with the non-governmental, governmental and inter-governmental sectors; mostly looking at technology control and innovation issues that relate to materials and technologies that can have hostile as well as peaceful uses. His work in this field is much broader than that which would normally come under the rubric of arms control. He has side interests in the issues of interactions between governments and societies, in policies of access to official information, in emergency planning/response, and in international legal frameworks.

Richard started CBW Events in 2007. He was previously Project Leader of the Chemical and Biological Warfare Project of the Stockholm International Peace Research Institute (SIPRI) (2003-06). Before Sweden, Richard was an independent consultant working with inter-governmental bodies, governments, NGOs and academic units. He was involved in a long-term collaboration with the Harvard Sussex Program (1988-2003), where he was responsible for production of The CBW Conventions Bulletin and for managing certain data resources. He also edited or co-edited seven volumes of the VERTIC yearbook (1991-97) and the VERTIC newsletter Trust and Verify (1992-97). He was responsible for production of the PPNN Newsbrief (1989-2001). He also worked part-time in the House of Commons for sixteen years.

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## Participant's Biography

### **Sergiu JUNEA**

Born on June 22, 1976, S. Junea became a Specialist in Chemistry and Biology after graduating from the State University "Tiraspol" of the Republic of Moldova in 2003. In 2009, she graduated from the Civil Defense Academy of the Ministry of Emergency Situations, Russian Federation and became a Management and Response Specialist in the field of civil defense and emergency situations.

Starting from 1993 as a specialist at the Civil Protection and Emergency Situations Service of the Republic of Moldova, she has progressed to the position of the Head of the Radiological and Chemical Protection Division of the Civil Protection Directorate.

During the years, Sergiu Junea was intensively involved into national and international activities in the radio-nuclear aspects of CBRN undertakings. She served as a Lecturer for IAEA Training Course on Radiation Detection Techniques for Front Line Officers, a Member of the national working group on implementation *Project on hazard and crisis management in the Danube Delta*, a Member of the national working group on implementation *Project on control of major accident hazards involving dangerous substances SEVESO Directives* and many other.

**Viacheslav SHMELIOV** is the Head of the Law Enforcement and Investigation Department at the State Service for Export Control of Ukraine. Has 4 years experience in the system of the State Service for Export Control of Ukraine. He is trained in issues of prevention of offenses in the field of export control, inspections of exporters / importers; conducting investigations of offenses in the field of state export control, controls the completeness and objectivity of the results of investigations conducted.

**Victor SHOVKALIUK** is the Head of Technology Transfer Department at the Ministry of Science and Education of Ukraine.

**Viktoriya GURA, PhD** has been Assistant Professor of the Entrepreneurship Department since 2011 at Faculty of Economics of Taras Shevchenko National University of Kyiv. In 2011, she defended dissertation on the topic: Competitiveness potential forming and realization of the Ukrainian diary industry enterprises. Viktoriya Gura obtained PhD in 2012. Since 2017 she has become Associate Professor of the Department of Financial support of troops at the Military Institute of Taras Shevchenko National University of Kyiv.

Scientific interests of Viktoriya Gura are: innovative-investment development of entrepreneurial activity, green economy, creative economy, e-commerce, competition and competitiveness, competitive development of SME in Ukraine, problems of intellectual property, social entrepreneurship, forming of informative society, economic ideology, culture of enterprise.

She lectured and lectures such courses: Innovative Entrepreneurship, Bases of entrepreneurial activity, Industrial Entrepreneurship, E-commerce, Bases of Green economy, Management, Marketing, Commercialization of Scientific research.

Viktoriya Gura has more than 50 scientific works among them books and articles.

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**Viorel DOAGA** is the Deputy Chief of the Department of Revenue and Control of the Customs Service of the Republic of Moldova. Currently, V. Doaga is a member of the interdepartmental commission on the export, import and transit of dual-use goods. In 2017, she passed a 2-week internship at the WCO in Brussels on dual-use goods. In addition, within the Customs Service, V. Doaga also practices the issue of non-proliferation of weapons of mass destruction and how to use the radiation detection equipment.

**Vyacheslav BYKOVEC** is a Ukrainian public figure, co-founder, first vice president, general director of the Union of Entrepreneurs of Small, Medium and Privatized Enterprises of Ukraine, Deputy Chairman of the Federation Council of Employers of Ukraine.

**Yuliia NIKITCHENKO, PhD** is a lecturer of the Ukrainian-German Department of Environmental Management and Entrepreneurship of Economic Department at the Taras Shevchenko National University of Kyiv where she teaches courses on International Business, Green Business, Environmental Risks and Waste Management. She holds a Ph.D in Environmental Safety and MScs in Ecology and Nature Protection from the National Aviation University. Today her scientific research interests focus on green economic structures in modern business and society, tools and methods for a sustainable governance as well as export and technologies transfer. Due to extensive researches in the field of waste management in 2010 Yuliia Nikitchenko has won the Competition "Green Talents 2010 - International Forum for High Potentials in Sustainable Development" which is supported by the German Federal Ministry of Education and Research (BMBF).