



# CNS BRIEF

GLOBAL NETWORK OF NONPROLIFERATION SPECIALISTS  
INFORMATION NEWSLETTER

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Monterey Institute of International Studies (MIIS)*

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## CNS Brief

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## FROM THE EDITOR

This year CNS celebrates the 20th anniversary of its nonproliferation training program, the Visiting Fellows Program. Started in 1992, the program has trained more than 200 experts from Russia and the Newly Independent States and more than 60 specialists from China. In 2007, CNS began training fellows from other regions of the world with a particular focus of NAM (Non-Aligned Movement) states.

The purpose of this newsletter is to provide a forum for news sharing and information exchange in the field of nonproliferation education and outreach between CNS and its program alumni, to introduce new experts to the international nonproliferation community and to inform the community about various nonproliferation-related initiatives and events worldwide. To better help our global alumni stay connected, we have created the **Global Network of Nonproliferation Specialists**, a Facebook group that we hope you will join.

We welcome your submissions to our newsletter, including information about you and your organization's activities in the nonproliferation field, your publications, upcoming events, etc. On behalf of my CNS colleagues and myself, I would like to wish you happy holidays.



Sincerely,

Margarita Sevcik

## NEWS FROM THE NONPROLIFERATION COMMUNITY IN EURASIA

### INTERNATIONAL COMPETITION OF NONPROLIFERATION ANALYTICAL ESSAYS

Next spring, another competition of nonproliferation analytical essays will take place under the theme "Nuclear and Missile Proliferation: 21st Century Challenges." The competition is organized by three universities: Novosibirsk State Technical University and Tyumen State University in Russia, and Odessa National University in Ukraine, with participation by the Swedish Radiation Safety Authority and the Center for Nonproliferation Studies. Eligible participants include students, PhD candidates, young scientists and researchers in both technical and social science fields.



Essay organizers welcome papers by international participants. Essays can be submitted in Russian or English languages to: nonproreview@yahoo.com. The deadline for submitting the essays is **March 20, 2013**. Essay winners will have their papers published in a forthcoming essay collection and may receive support for participation in various nonproliferation schools or conferences, contingent upon funding. For additional information about the competition and its requirements please contact Vera Gavrilova, Novosibirsk State Technical University, at gavrilo.nsk@yandex.ru.

### THIRD CONFERENCE OF YOUNG ATOMIC SCIENTISTS OF SIBERIA

The Third Conference of Young Atomic Scientists of Siberia, an annual event held in Tomsk, took place from 28 to 30 November 2012 at Tomsk Polytechnic University (TPU). The conference was organized with the support from the State Corporation Rosatom, Tomsk Oblast Administration, National Research Tomsk Polytechnic University, Seversk Technological Institute of National Research Nuclear University "MEPhI," Tomsk Atomic Center, the Information Center for Tomsk Nuclear Energy, and the Center for Nonproliferation Studies at the Monterey Institute of International Studies. The conference objectives are to involve undergraduate, master's-degree and postgraduate students; young scientists and specialists; as well as international students in higher education in scientific research in different spheres of the nuclear industry, including nuclear medicine, and to promote knowledge about nuclear technologies among young people.



*Participants of the nonproliferation session*

In a session entitled "Current Issues of Nuclear Nonproliferation, Safety and Ecology of the Nuclear Industry," participants discussed advanced directions in the development of nuclear energy, innovative commercial nuclear technologies (medicine, industry, agriculture), and the future of nuclear technologies. In total, more than 71 applications were received for the workshop, and 35 participants were selected to give oral presentations. Taking First Place in the conference competition was TPU student Alma Kurmanova for her presentation "Calculation of Mass Point Deposits of Nuclear Material in Equipment Containing Inspector 1000 Analyzers"; Second Place was awarded to TPU student Svetlana Sharavina for her presentation "Applying Conflict Resolution Methods to Assessing the Effectiveness of Security Systems"; and Third Place went to Tyumen State University student Elmira Gibadulina for her presentation, "Russia in the International Export Control Regime."

### CONFERENCE ON NUCLEAR SECURITY AND NONPROLIFERATION IN NOVOURALSK INCLUDES VIRTUAL SCIENCE TEAM MEMBERS FROM RUSSIA

On October 16-19, 2012 Novouralsk Technological Institute (NTI) NRNU MEPhI hosted the VII International Scientific-Practical Conference "Automation and Progressive Technologies in the Nuclear Industry" (APT-2012). The conference was organized by Rosatom corporation, NRNU MEPhI, the Novouralsk Technological Institute, the Administration of Novouralsk City District, and the Swedish Radiation Safety Authority (SSM). Financial support was provided by NRNU MEPhI. A workshop entitled "Nuclear

Security and Nonproliferation, Combating Terrorism, and Nuclear Fuel Cycle Technologies” was organized with financial support from the Swedish Radiation Safety Authority (SSM) under the auspices of this conference.

Approximately 50 scientists, engineers, teachers and students from high schools and universities participated in the workshop. The represented the following organizations: NTI NRNU MEPhI (Novouralsk), high school No. 41 (Novouralsk), Ural Federal University (Yekaterinburg), Novosibirsk State Technical University (Novosibirsk), Novosibirsk State University of Economics and Management (Novosibirsk), Chelyabinsk State University (Chelyabinsk), UrTK NRNU MEPhI (Zarechnyi), Tomsk Polytechnic University (Tomsk), the Urals Electrochemical Integrated Plant (Novouralsk), Uralpribor LLC (Novouralsk), and Tyumen State University (Tyumen). Dr. N. P. Dronishinets, Professor of NTI NRNU MEPhI, chaired the workshop.

The group of 10th grade students from high school No. 41 who participated in the conference are also members of a team participating in the US-Russia Virtual Science Challenge for Youth (VSC) project run by CNS together with NTI NRNU MEPhI and high-school No. 41. Research supervisor of the for the Novouralsk team, deputy-head of NTI Grigory Zinovyev, and Leyla Shamuratova, a teacher from high school No. 41, presented a report about the VSC project.

*G.S. Zinovyev, NTI NRNU MEPhI, contributed to this article.*



*Participants of the workshop, including former CNS visiting fellows Nikolai Dronishinets, Vera Gavrilova, Ekaterina Mikhailenko, Kirill Nekrasov, Leyla Shamuratova, Lyubov Schekaleva, Natalia Tretyakova and Grigory Zinovyev.*

## STUDENT SCIENTIFIC SEMINAR ON GLOBAL SECURITY AND NONPROLIFERATION CELEBRATES 5TH ANNIVERSARY

The Student Scientific Seminar on Global Security and Nonproliferation of Odessa National Mechnikov University (ONU), Ukraine, celebrated its fifth anniversary on September 1, 2012. The keynote speaker was Costas Koliopoulos, professor of Pantheon University, Athens, who spoke on various levels of nuclear strategy and the role of nuclear weapons in deterrence. The seminar has been ongoing since 2006, following the CNS fellowship of Polina Sinovets, associate professor in the International Relations department at ONU. With Dmytro Chumak serving as the first president, it was the result of a teacher-student initiative of bimonthly meetings to discuss nonproliferation topics. Currently the seminar consists of

18 participants from different universities actively pursuing careers in the field of nonproliferation. A November 17th meeting was dedicated to the anniversary of the Cuban Missile Crisis.

## WHO'S WHO IN NUCLEAR SECURITY AND NONPROLIFERATION EDUCATION

### DMYTRO CHUMAK, ODESSA NATIONAL UNIVERSITY

Dmytro Chumak is a PhD student at the Department of International Relations, Odessa National Mechnikov University (Odessa, Ukraine). His professional interests in the field of nuclear nonproliferation concentrate on peaceful



nuclear energy and its impact on the development of the nonproliferation regime, the focus of his PhD research. His professional interest in this topic is based on his personal experience: Having been born in 1988 in Cherkassy Oblast in Ukraine, he belongs to the generation of “Chernobyl children” and has first-hand knowledge and observations of the terrible consequences of the Chernobyl catastrophe. His personal history defined Dmytro’s interest in nuclear nonproliferation, security and safety.

In 2006, Dmytro became involved in the Student Scientific Seminar on Global Security and Nonproliferation of Nuclear Weapons in Odessa National Mechnikov University, and he headed this project until 2010. The seminar serves as a well-grounded platform for developing and enhancing students’ knowledge of nonproliferation issues. In 2009 he participated in the student nonproliferation summer school in Tomsk (Russia), conducted in the framework of cooperation between the Swedish Radiation Safety Authority (SSM) and the Tomsk State University. In the past two years, Dmytro has played an important role in organizing similar summer schools in Odessa (joint projects between SSM and Odessa National I. I. Mechnikov University. In 2011, he successfully accomplished the European Safeguards Research and Development Association Course. That same year, he took part in a student nonproliferation conference in Tomsk, Russia, made possible due to support provided through CNS cooperation with the U.S. Department of Energy’s National Nuclear Security Administration in promoting international nuclear security and nonproliferation through nonproliferation education, training, research, and community-building.

In parallel to his research and nonproliferation education and outreach activities, Dmytro was an international relations specialist from 2010 to 2012 at the Ukrainian Nuclear Society and has participated in seminars for international relations students in the framework of the course “Military-Political aspects of International Security and Nonproliferation,” dedicated to the analysis of the NPT in the context of the regional challenges to the regime. Currently he is a member of the Interagency Expert Group on countering the threat of

proliferation of weapons and materials of mass destruction under the National Institute for Strategic Studies of Ukraine. Additionally, he is involved in a mutual project between the State Nuclear Regulatory Inspectorate of Ukraine and the Swedish Radiation Safety Authority on the development of UAtom.org as an additional source of reliable information concerning nuclear safety, radiation protection and non-proliferation issues for a mass audience.

## MUHAMMAD SADIQ



Muhammad Sadiq is a lecturer in the Department of Defense and Strategic Studies (DSS), Quaid-I-Azam University (QAU) Islamabad, Pakistan. He obtained his M.Sc. degree from the DSS Department in 2005 with his final project focusing on “Nuclear Balance between India and Pakistan.” He continued his education from the same university, earning an M.Phil degree with his thesis, “Indo-US Strategic Partnership: Impact on Deterrence Stability in South Asia and Implications for International

Non-Proliferation Regime.”

Having been appointed faculty member in the DSS Department of QAU in 2007, Sadiq is actively involved in teaching Nuclear Proliferation and Non-Proliferation to MA students. Many graduates of the DSS Department serve in different strategic organizations of Pakistan, such as Strategic Plans Division (SPD), Pakistan Nuclear Regulatory Authority (PNRA), Pakistan Atomic Energy Commission (PAEC) and Strategic Export Control Division (SECDIV). The well-respected think tanks of Pakistan recruit a majority of their research assistants, research fellows, and research officers from DSS.

Sadiq plays a proactive role in seminars and conferences arranged by DSS focusing on a wide range of nuclear issues, such as nuclear safety and security, strategic stability in South Asia, and the international nonproliferation regime in South Asia. For the last several years, DSS has been involved in holding international conferences with the collaboration of Henry L. Stimson Centre and Carnegie Endowment.

Presently, Sadiq is engaged in making arms control and disarmament and nuclear nonproliferation courses required for DSS MA students because these areas have tremendous importance in changing the international strategic milieu. As a proponent of nonproliferation studies, Sadiq will continue playing a part in promoting nonproliferation and arms control initiatives in Pakistan.

### Quaid-I-Azam University Islamabad, Pakistan

Quaid-i-Azam University (formerly Islamabad University) was established in July 1967 under the Act of National Assembly and initiated teaching and research programs for PhD and MPhil degrees. It was, however, later decided to offer master’s, graduate, and undergraduate programs. The university offers admission to a measured number of students from all regions of the country as a federal public sector

university, and the reputation of its faculty and programs attracts a large number of foreign students as well. It has established links with some selected universities in Europe, South Asia and the United States. International educational and research institutions, including UNESCO, IRSIP, Agencia Espanole de Cooperacion Internacional (Spain) etc., collaborate with the university on research activities. Moreover, a reasonable number of faculty members of the university teach and work in international universities such as Oxford, Cambridge, Columbia, and Heidelberg, earning awards such as the International Peace Award from Brussels.

Currently, the Quaid-i-Azam University has four faculties and nine other teaching and research institutes, centers and schools, including: Biological Sciences; Natural Sciences; Social Sciences; Medicine (affiliated); Area Study Centre for Africa, North and South America; Centre of Excellence in Gender Studies; National Institute of Pakistan Studies; National Institute of Psychology; National Institute of Historical and Cultural Research; National Institute of Asian Civilizations; and the Computer Centre. In all, the University’s academic programs have an enrollment of over 5,500 students.

## CNS NEWS

### STAFF DEVELOPMENTS

Toward its goal to expand its technical expertise, CNS has recruited two senior scientists this year, including Dr. Yousaf Butt, research scientist and scientist-in-residence, and Dr. George Moore, scientist-in-residence and adjunct professor. Prior to coming to CNS, Dr. Butt was a scientific consultant to the Federation of American Scientists and a physicist in the High-Energy Astrophysics Division at the Harvard-Smithsonian Center for Astrophysics. His research interests include space security, missile defense, nuclear physics, nuclear nonproliferation and arms control. Dr. Moore came to CNS from the International Atomic Energy Agency where he served as a senior analyst in the IAEA’s Office of Nuclear Security. His areas of expertise include nuclear security, illicit trafficking, and nuclear weapons, among others. More information about CNS staff members and their expertise is available at: <http://cns.miis.edu/staff/index.htm>.

### FALL 2012 CNS VISITING FELLOWS

This semester (September-December 2012), CNS hosted seven visiting fellows in its intensive nonproliferation training program. The Fall’12 program included for the first time the participation of three Pakistani experts, which became possible due to the CNS collaboration with CRDF Global. Fall’12 CNS Visiting Fellows included:

**Dmytro Chumak**, a PhD student at Odessa National I. I. Mechnikov University and an international relations specialist at the Ukrainian Nuclear Society

**Xu Feng**, deputy director at the Department of Arms Control and Disarmament, Ministry of Foreign Affairs of China

**Amir Ali Khan**, an international relations officer at Pakistan

Nuclear Regulatory Authority in the Directorate of International Cooperation

**Andrea Quezada**, 3rd secretary at the International Security Division, Ministry of Foreign Affairs of Chile

**Muhammad Waseem Qutab**, a deputy director at the Arms Control and Disarmament Affairs (ACDA) Directorate of the Strategic Plans Division (SPD) in Pakistan,

**Karina Ruiz**, an advisor at the Under-Secretariat for Multilateral Affairs and Human Rights, Ministry of Foreign Affairs of Mexico

**Muhammad Sadiq**, a lecturer at the Department of Defense and Strategic Studies, Quaid-i-Azam University, Islamabad, Pakistan.



*From left to right: Avner Cohen, Director, CNS Nonproliferation Education Program; Margarita Sevcik, Deputy Director Education Program; Amir Ali Khan; Muhammad Sadiq; Muhammad Waseem Qutab; Karina Ruiz; William Potter, Director of CNS; Dmytro Chumak; and Xu Feng. Andrea Quezada is not shown.*

## ROUNDTABLE VIDEOCONFERENCE BETWEEN MIIS AND RUSSIAN STUDENTS

On October 30th, about twenty Monterey Institute of International Studies (MIIS) students and several CNS staff participated in a roundtable conference call with a group of engineering undergraduates from Novouralsk Technological Institute (NTI) in the closed nuclear city of Novouralsk, Russia, home to the uranium enrichment facility Ural Electrochemical Combine. CNS has been engaged in a number of cooperative projects with NTI for a number of years, including the training of some of their faculty through its Visiting Fellows Program.

The conference call event, entitled “US and Russian cooperation on non-proliferation and nuclear security: Where are we going?” was moderated from Monterey by Jennifer Dahnke and from Novouralsk by Roman Gorbunov. It addressed three broad themes: continued bilateral Russian-US technical cooperation, nuclear safety and security, and the place of Russia and the US in the international disarmament regime. The event was intended to facilitate both cross-cultural and cross-disciplinary discussion among policy students at MIIS and technical students in Novouralsk, most of whom will eventually work in Russian nuclear facilities.

Participants discussed the objectives of New START, the CTBT, potential changes in US nuclear policy, and the potential consequences of the US presidential election on US-Russia relations. MIIS students conveyed hope for fruitful and continued US-Russian cooperation based on past efforts by both Republican and Democratic presidents and learned about some of the technical aspects of the Novouralsk enrichment plant and its relationship with the rest of the Russian nuclear industry.

Both sides judged the event a success and hope to organize more such conversations in the future.

*This article was contributed by Jennifer Dahnke, M.A. Candidate in Nonproliferation and Terrorism Studies, MIIS, Graduate Research Assistant, CNS*

## NONPROLIFERATION AND DISARMAMENT EDUCATION PROJECTS FOR HIGH SCHOOL STUDENTS

This year, CNS is conducting two major nonproliferation and disarmament education projects for high school students: the US-Russia Virtual Science Challenge for Youth (VSC), and the Critical Issues Forum (CIF).



VSC, which is funded by the US Department of State's Bureau of Educational and Cultural Affairs, provides an online platform for US and Russian high school students to investigate solutions

for one of the most pressing issues, the management of the world's more than 240,000 metric tons of spent nuclear fuel. If not managed properly, this spent fuel could cause a widespread release of radiation or be used in the development of nuclear weapons. The goals of the program are to develop a science education community of US and Russian teachers and high school students; to help develop and enhance students' scientific knowledge, critical thinking and scientific reasoning abilities, and presentation skills; to promote intercultural cooperation in the sciences among students and teachers in the United States and Russia; and to guide students in a scientific investigation of real-world solutions for the safe and secure storage and management of nuclear waste and spent nuclear fuel. At the end of the program, all teams will come together online and present their findings and proposed solutions at the Virtual Science Fair. For more information about the project, visit the website at <http://cns.miis.edu/virtual-science-challenge/>.

For the first time in CIF's history, Japanese high school teachers from Hiroshima and Nagasaki participated in the teachers' workshop along with five US high school teachers. Five American teachers from California, Massachusetts and Wisconsin, gathered at CNS from November 29 to December 1, 2012. Several Russian teachers and other US teachers also joined the workshop virtually, using an online conference tool. Participants heard presentations by CNS experts on this year's topic, *Toward a World without Nuclear Weapons: Progress,*

Prospects, and Challenges. The workshop focused on the two-fold question of the feasibility and desirability of a world free of nuclear weapons. Teachers and CNS experts explored progress made and challenges that still remain toward that goal. The



*Front row (sitting) (L to R): Rene Mendoza, Chinobu Takami, Tomona Okubo, David Shield. Back row (standing): Geoffrey Tibbitts, Masha Serttunc, Amy Uhe, Toshiro Kusano, Masako Toki, CIF Project Manager*

participation of teachers from three high schools from Hiroshima and Nagasaki, the two cities that experienced the horror of nuclear devastation in August 1945, was particularly enriching, as those schools are among the most active in promoting peace and disarmament education. Lecture topics included the current status of nuclear weapons worldwide, including the number of nuclear weapons in both Nuclear Nonproliferation Treaty (NPT) nuclear weapon states and non-NPT nuclear weapon states; factual information such as the scientific aspects of nuclear weapons, including basic weapons types and design; and the effects of nuclear weapon use. CIF teachers will work with their students on these issues and meet again in Monterey to present their projects in April 2013. CNS is grateful to the U.S.-Japan Foundation for its support of the CIF. For more information about the CIF project please visit <http://blogs.mii.edu/criticalissuesforum/>.

*Masako Toki, CIF Project Manager, contributed this report.*

## GLOBAL FORUM ON DISARMAMENT AND NONPROLIFERATION EDUCATION

On August 10-11 2012, the Japanese Ministry of Foreign Affairs and the United Nations University in Tokyo co-organized the first Global Forum on Disarmament and Nonproliferation Education in Nagasaki in cooperation with the City of Nagasaki



and Nagasaki University. The purpose of the forum was 1) to enhance global public awareness on the importance of disarmament and non-proliferation education among various actors, including governments, civil society, international organizations, subject matter experts, and educators; 2) to foster strengthened cooperation among relevant ac-

tors in the field and nurture discussion on the promotion of new initiatives; and 3) to offer a timely opportunity to examine specific regional issues including the Middle East. The forum took place at the Nagasaki Atomic Bomb Museum, a sobering location for people to renew their determination to work



*Dr. Avner Cohen speaks on a panel at the conference*

for nuclear disarmament. This year marked the 10th anniversary of the United Nations Secretary General's 2002 report on Disarmament and Nonproliferation Education (A/57;124) containing 34 concrete recommendations to promote such education.

The forum consisted of three sessions: the role of disarmament and nonproliferation education in working towards a world without nuclear weapons; the possibility of a Middle East WMD free zone involving both regional and Japanese experts; and designing and implementing disarmament and nonproliferation education from views of both educators and civil society. Dr. Avner Cohen, CNS Nonproliferation Education Program Director, participated in the forum as a panelist of all three sessions. As an experienced disarmament and nonproliferation educator, Dr. Cohen highlighted the importance of next-generation education in this field. He also presented his view regarding the establishment of a WMD NWFZ, a subject he is very knowledgeable about, since it is closely tied to his expertise on the Middle East.

*Masako Toki, CIF Project Manager, contributed this report.*

## PROJECT ON STRATEGIC STABILITY EVALUATION (POSSE) ANNUAL MEETING AT VCDNP

From 11-13 November, 2012, the Project on Strategic Stability Evaluation (POSSE) held its annual meeting at the Vienna Center for Disarmament and Non-Proliferation (VCDNP) in Austria. A cooperative project between CNS and Georgia Tech's Center for International Strategy, Technology, and Policy, and with funds provided by the Carnegie Corporation of New York, POSSE is building a global network of leading young scholars—including former CNS visiting fellow from Russia Nina Rozhanovskaya—who are moving beyond traditional concepts about nuclear weapons. The November program brought together promising advanced graduate students and young professors from the United States, Russia, China, India, Pakistan, Israel, and France to analyze alternative frameworks and methodologies for re-thinking the requirements for strategic stability amid deep reductions in standing nuclear arsenals. Each POSSE member submitted a draft paper focused either on his or her home country or to the general global nuclear weapons debate, as well as a short policy memo that extracted the policy implications of their draft paper to present to policy makers in Vienna. The draft papers

were reviewed by distinguished policy experts, including Patrick James (University of Southern Carolina), Alexey Fenenko (Institute of International Security Studies of Russian Academy of Sciences), Jeffrey Lewis (CNS-MIIS), and Heinz Gärtner (the Austrian Institute for International Affairs). The POSSE delegation met with several senior officials and experts, including Dr. Christophe Carle from the Director General's Office of Policy at the International Atomic Energy Agency (IAEA); Mr. Tariq Rauf, also formerly of the IAEA; and Mr. Jean du Preez of the Comprehensive Nuclear Test-Ban Treaty Organization. The delegation also heard presentations by leading diplomats and scholars including Dr. Hans Blix of Sweden, Ambassador Rüdiger Lüdeking of Germany, Dr. Ole Reistad of Norway, Ambassador Alexander Kmentt of Austria, Ambassador Alfredo Labbé of Chile, and Ambassador Khaled Shamaa of Egypt.



*POSSE participants, including CNS director Bill Potter and former CNS visiting fellow Nina Rozhanovskaya from Tomsk State University (3rd and 4th from right, respectively).*

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## UPCOMING EVENTS

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### NEW INTERNATIONAL ARMS CONTROL ESSAY CONTEST

The Center for Nonproliferation Studies (CNS) — in partnership with the US Department of State's Bureau of Arms Control, Verification and Compliance, Center for Policy Studies (PIR) in Moscow, Russia—recently launched the International Arms Control Essay Contest: “Innovation Through Open Source Technologies.” The contest is open to U.S. and Russian citizens, and it aims to develop innovative approaches to arms control verification and compliance monitoring. Detailed information about the contest and its goals, objectives and requirements is available at [http://cns.miis.edu/stories/121206\\_open\\_source\\_essay\\_contest.htm](http://cns.miis.edu/stories/121206_open_source_essay_contest.htm).

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### THE 2ND INTERNATIONAL SCHOOL ON NUCLEAR ENERGY AND NONPROLIFERATION IN MOSCOW, RUSSIA

The 2nd International School “Nuclear Energy and Nonproliferation: Meeting Modern Challenges” will take place at the National Research Nuclear University (NRNU) MEPhI in Moscow from January 31st to February 2nd, 2013. It is being organized by NRNU MEPhI as part of the 2013 NRNU MEPhI Scientific Sessions. The goal of the school is to bring together young experts in the nuclear industry who are involved in efforts to ensure the security of nuclear materials and are interested in the resolution of nuclear nonproliferation issues, with the goal of sharing experiences,

embarking on collaborative attempts at finding practical solutions to current challenges and threats to security, and gaining familiarity with the latest achievements in this field through direct contact with experts.

The school will cover four topics: the development of innovative nuclear technologies, nuclear safety and security, economics and international affairs in the nuclear domain, and nuclear nonproliferation. Students in their final two years of undergraduate study or their first year of graduate study, as well as employees from nuclear industry enterprises in Russia, Ukraine, Belarus, and Kazakhstan, are encouraged to participate. The deadline for submission of application materials is December 31, 2012. The school's official language is Russian. Applications should be sent to [EGKulikov@mephi.ru](mailto:EGKulikov@mephi.ru) and [NAPiskunova@mephi.ru](mailto:NAPiskunova@mephi.ru). For more details please see attached flyer in Russian.

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### MARCH 2013 NUCLEAR NON-PROLIFERATION AND DISARMAMENT SHORT COURSE

The Vienna Center for Disarmament and Non-Proliferation (VCDNP) and CNS will offer an intensive course for diplomats and other practitioners focused on nuclear non-proliferation and disarmament policy issues. The course will be held in Vienna, Austria 25-29 March 2013. The course will be taught by faculty and experts from the VCDNP and CNS, as well as other international experts. The one-week program will include an extended analysis of the nonproliferation regime; the Treaty on the Non-Proliferation of Nuclear Weapons (NPT) and its associated institutions and mechanisms; current nonproliferation, arms control, and disarmament challenges; and possible policy remedies. For information on how to apply, visit: [http://www.vcdnp.org/121214\\_nonproliferation\\_short\\_course\\_ad.htm](http://www.vcdnp.org/121214_nonproliferation_short_course_ad.htm).

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### NEW PUBLICATION BY CNS STAFF

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#### THE SOVIET BIOLOGICAL WEAPONS PROGRAM: A HISTORY

*The Soviet Biological Weapons Program: A History*, a chronicle of the efforts of the USSR to acquire bioweapons in the second half of the twentieth century, is the product of years of study and scholarly research by authors Milton Leitenberg and Raymond A. Zilinskas, along with contributing author Jens H. Kuhn. Even as Russia officially denies having developed biological weapons, the authoritative history unveils the USSR's vast offensive biological weapons program from the 1920s to 1990, as well as its status today. Based on interviews with former Soviet scientists and US and UK intelligence officials and declassified material, the comprehensive account combines policy analysis and technical detail in describing the rationale behind the program, its scope, and how it was supported. The book chronicles the organization of the program, its contribution to bioweapons proliferation, and how it survived without a military doctrine for the strategic or operational use of the weapons.