



The Science and Technology Center in Ukraine (STCU) is an intergovernmental organization dedicated to the prevention of the proliferation of expertise related to weapons of mass destruction (WMD). STCU assisting Azerbaijan, Georgian, Moldavian, Ukrainian and Uzbek scientists in their integration into the international science community

The STCU vision: for a safer and better world, to assist former WMD experts in the transition to self-supporting, peaceful activities in the international science and business communities...and to do so using the best professional practices.



Welcome to the STCU e-newsletter designed for the science and business community in order to keep you informed with our current events, upcoming news and opportunities in the world of science and technology.

For STCU
opportunities

Find out more about
STCU

To become a
subscriber to the
STCU Newslette

South Korean Ambassador Visits STCU



On 15 April, H.E. Ambassador Park Ro-byug of the Republic of Korea met with STCU Executive Director Andrew Hood to become familiar with the STCU mission and its activities. Mr. Kim Hyun-Duk (Minister Counsellor, Embassy of the Republic of Korea in Ukraine) also attended the meeting. At the meeting, STCU ED Hood made a presentation on STCU and answered questions from the Ambassador on the programs and organization of STCU and its Governing Board. AMB Park noted that there is growing interest in South Korea to expand S&T partnership activities and other forms of cooperation in Ukraine, and that this included consideration of South Korea joining STCU in the near future. Thus, AMB Park wanted to visit STCU in order to deepen his understanding of the STCU.

Upcoming events

April 20 -24th, 2009

In 2009 HANNOVER MESSE will maintain its broad international scope and focus on issues of major importance for technology. For instance, the new trade show "Wind" will ensure that renewable energy receives the attention it deserves

[Read more](#)

April 28 -30th, 2009

Chemistry Biology Meeting in Ottawa, Canada STCU delegation to participate. STCU point of contact is Landis Henry.

May, 2009

Visit to Kyiv by Representative of Canada NRC (National Research Council) IRAP (Industrial Research Assistance Program) to discuss partnering opportunities in Canada. STCU point of contact is Landis Henry.

June 08-09, 2009

STCU NUCLEAR FORENSICS EXPERTS' WORKSHOP in Tbilisi, Georgia

[Read more](#)

June 25-26, 2009

STCU BIOSAFETY & BIOSECURITY EXPERTS' WORKSHOP in Annecy, France

[Read more](#)

July19 - 22, 2009

World Congress on Industrial Biotechnology & Bioprocessing Meeting in Montreal, Canada STCU delegation to participate. STCU point of contact is [Landis Henry](#).

September 21-23, 2009

Fifth International Conference on "BIOMASS FOR ENERGY" in Kyiv

[Read more](#)

Useful Links

Public Library of Science is a nonprofit organization of scientists and physicians committed to making the world's scientific and medical literature a freely available public resource.

[Access their database of scientific literature at this link.](#)

STCU Conducted Round Table in Institute of Physics, Baku, Azerbaijan on March 30th.



First round table was conducted for Chief Technology Commercialization Officers (CTCO) in Institute of Physics, Baku, Azerbaijan on March 30th. The agenda of round table included presentations from STCU:

- Model of strategic growth for R&D Institutes, Victor Korsun, STCU Deputy Executive Director (USA)
- Matchmaking & Promotional Event Support (MPES), Victor Korsun, STCU Deputy Executive Director (USA)
- Value Drivers, Tatyana Illyash, Sustainability Development Officer

CTCOs presented their Technology Profile Forms (TPFs). The main aim of the round table was discussion and improvements in TPFs for further their publication in brochure. Dr. Shafiga Topchieva, CTCO from Institute of Zoology in Baku presented update on the activity of Agency for Technology Transfer of Azerbaijan. We also visited the Institute of Microbiology to meet with the Institute's management and to discuss possible partner projects.

STCU Conducted Round Table in F. Tavadze Institute of Metallurgy and Material Science, Tbilisi, Georgia on April 1st.



On April 1st a round table for CTCOs was conducted in F. Tavadze Institute of Metallurgy and Material science, Tbilisi, Georgia. The agenda and aim of the round table were the same with round table in Institute of Physics, Baku, Azerbaijan.

Dr. Givi Kochoradze, CTCO Executive Director of International Center for Advancement of Research, Technology and Innovation suggested Creation of Technological Center on the Base of Consortium of Scientific Institutions and its Retrained Scientists as Managers.

In addition to the discussions Regina Sattarova from STCU's Uzbekistan office met with all the CTCO's to review the draft booklets of technologies that each country is preparing. She is planning to develop booklets that will include IPF's (Institute Profile Forms) and TPF's (Technology Profile Forms) for Georgia, Azerbaijan and Uzbekistan at this time.

One of the new aspects for CTCO's is the MPES Program (Matchmaking & Promotional Event Support). Under this program each CTCO can propose a travel request to do promotion for his or her Institute at a western technology exhibition. The

Google Publication Search
<http://scholar.google.com.ua>

Google Patent Search
<http://www.google.com/patents?hl=en>

Google Book Search
<http://books.google.com/>

Free Patents Online
<http://www.freepatentsonline.com/>

Scirus - comprehensive scientific research tool on the web. It allows researchers to search for journal content and also scientists' homepages, courseware, pre-print server material, patents and institutional repository and website information.
<http://www.scirus.com/?b>

Ukrainian Association of business-angels
<http://www.uaban.org/businessman.html>

The National Academies Press
<http://orsted.nap.edu/>

"Innovations" Internet magazine in Russian
<http://mag.innov.ru/>

Nano information in Ukraine
<http://www.nanosvit.com>

Nanotechnology in Ukraine
<http://www.nano.com.ua/>

CTCO selects the technologies to promote, selects the exhibition, and plans the meetings with companies at the exhibition. The goal of MPES is to give more responsibility to the CTCO's for seeking government and commercial projects. STCU is also providing financial support for English language courses to Georgian and Azeri CTCO's to improve their English speaking abilities.

STCU Conducted Round Table in In Eliava Institute of Bacteriophage, Microbiology And Virology, Tbilisi, Georgia on April 2st.



On April 2nd Intellectual property rights round table was conducted at Eliava Institute of Bacteriophage, Microbiology and Virology, Tbilisi, Georgia. Nino Chanishvili, CTCO of the Institute made a presentation about Eliava Institute of Bacteriophage, Microbiology and Virology. Vic Korsun made presentation "Commercialization of Intellectual Property, new possibilities".

From all of the meetings and presentations it was clear that the CTCO's of both countries are actively working and meeting regularly to promote commercialization at their respective Institutes.

Seminar on Potential Uses and Commercial Applications of Galileo in Kyiv.



On 04-05 February 2009, STCU Senior Deputy Executive Director (Ukraine) Igor Lytvynov and Deputy Executive Director Michel Zayet (EU) attended a Seminar on Potential Uses and Commercial Applications of Galileo organised by the Twinning Project : Boosting Ukrainian Space Cooperation within the European Union. This project working within the National Space Agency of Ukraine aims at "accelerating the approximation between Ukraine and the European Union in the area of space and to enhance legal, scientific, and industrial cooperation and development". There is a strong interest from the newly formed European Global Navigation Satellite System Regulatory Authority (www.gsa.europa.eu) to include Ukraine in the achievement of a fully operational GALILEO system. This includes the laying of foundations for a fully sustainable and economically viable system. Eventually the seminar gathered all major players in Ukraine in this sector with a noticeable support brought by Academician Yaroslav Stepanovich Yatskiv form the National Academy of

Sciences of Ukraine, and STCU Governing Board Member representing the government of Ukraine.

All the seminars details are available from the twinning project website page : www.twinning-space.org.ua

STCU Deepens its Cooperation with National Science Organizations



From 2 -11 March, STCU Deputy Executive Director Landis Henry and Program Support Officer, Yaroslava Chuyko met with national science officials of Moldova, Georgia and Azerbaijan, to deepen cooperation under the STCU Targeted Initiatives Program. Among the officials met were Academician I. Tighineanu (Vice President of the Moldovan Academy of Sciences), Ms. N. Jokhadze and Dr. T. Dolidze (Director and Head of the Office of International Affairs respectively, Georgian National Science Foundation), and Academicians M. Kerimov and A. Hashimov (President and First Vice-President, respectively, National Academy of Sciences of Azerbaijan). As a result of these meetings, STCU negotiated a final draft version of a Statement of Intent to Cooperate with the Moldovan Academy, which when signed by both sides, shall lead to the launch of a new STCU-Moldovan Targeted Initiatives Program. Also, the Georgian and Azeri meetings led to agreements on expanded cooperative audit procedures for Targeted Initiative projects in those two countries. These new procedures will facilitate greater transparency and accountability of the two financial halves of these projects: the STCU share and the share provided by the participating Georgian and Azeri national science bodies.

"Pitch" training seminar in Kyiv, February 9-10



STCU scientists who have start-up companies or are ready to create companies in Ukraine took part with their technologies and company "pitch" presentations in a two-day Pitch Training seminar in Kyiv on February 09-10. It is their second Pitch Training

Seminar organized by the Seed Forum International Foundation (www.seedforum.org), which is a London-based foundation. The Seed Forum process has the objective of providing to new start-up companies competence with investor readiness and investor matchmaking opportunities. The Seed Forum gives start-up companies seeking capital an opportunity to present their business concepts to investors at investor matchmaking forums. The companies are nominated, selected and trained by the Seed Forum process to help the companies improve their presentations to investors. The mission of Seed Forum is to create a global investor matchmaking market place for seed and venture capital without national or regional borders. Seed Forum International Foundation is currently conducting investor matchmaking forums in 17 countries in Europe, North America and Asia.

[See the program](#)

Meeting with Seed Forum representatives in STCU



On February 10, after the Pitch training session in Kyiv, Steiner H Korsmo, President and CEO of Seed Forum and Geir Glomstad, Incubator manager of Security Valley, Norway were invited to STCU. Guests met with Vic Korsun, Deputy Executive Director (USA). Petr Melnik- Melnikov STCU NG Partnership Program Manager made general presentation about STCU. During this meeting participants discussed possible ways for future collaboration.

KPI Rector Visits New STCU Offices



On 3 April, Academician M. Zgurovsky, Rector of Kyiv Polytechnic Institute (KPI), met with STCU Executive Director Andrew Hood while visiting the new STCU temporary

offices. Mr. Beglytsa from the Ministry of Education & Science also joined in the meeting along with senior STCU management officers. Dr. Zgurovsky and Mr. Hood discussed remaining issues concerning the STCU relocation to its new premises on the KPI campus, and about future cooperation between STCU and KPI. Mr. Hood stressed his commitment to make STCU a "good neighbor" to KPI and bring deeper value to the KPI-STCU relationship. Dr. Zgurovsky emphasized his pleasure to have KPI host the STCU headquarters on its campus, and he committed to work closely with STCU to resolve any problems with the STCU offices, and to build a cooperative KPI-STCU relationship that goes beyond the provision of the STCU office spaces.

STCU took part as an exhibitor and presenter in the investment conference World Best Technologies Showcase (WBT Showcase, Dallas, TX, USA, March 23-25, 2009).



STCU presented 3 Ukrainian Start-Ups at the World Best Technologies Showcase 09 Investment Conference

The WBT Showcase is the premier event showcasing the largest collection of vetted and mentored companies and technologies emanating from top universities, labs, research institutions, and the private sector from across the USA and around the globe. STCU's booth offered presentations, ad materials and business plan executive summaries of 4 Ukrainian start-up companies, namely:

- DNIPRO-MTO (Cryogenic Medical equipment) ,
- Radio Plus (express analyzers of the main parameters of fuels),
- Agrobiotech (Plant Growth Regulators), and
- Microwave Technologies (Hydrocarbon Waste Processing)

A number of useful contacts with business angels and venture capitalists were established.

STCU's Partner US company - Discovery Technology International LLLP (DTI) also independently participated in this conference.

Prior to the conference WBT mentors worked closely with our scientists and start-up companies to improve their business pitches and presentations. During the two-day conference venture capitalists from acclaimed VC firms as well as the angel investors were judging presentations of the pre-selected 100 high-tech companies.

STCU scientists delivered three 6-minute pitch presentations for DNIPRO-MTO, Radio Plus and Microwave Technologies. The WBT 2009 program also offered one-day seminar "Swing for the Fences". This seminar is Seed Investing for Entrepreneurs workshop about seed stage investing from the investor's point of view. This workshop was facilitated by seasoned professionals, complemented with a team of "coaches" comprised of investors, serial entrepreneurs, IP attorneys and others experienced in seed and early stage investing.

Where does the money come from to pay for our science in the US? Read the story about a prominent Stanford University scientist describing what life is like for a scientist at a modern research university, and the more general consequences for science and creativity. Where does the money come from to pay for our science? Mostly from the federal government — your tax dollars at work — and non-profit foundations. Income from grants written by professors is the single largest contribution to the Stanford University budget (the second largest is endowment income, and student tuition is a distant third). Stanford has an enormous endowment (\$17 billion before the market crash) but applies it in a heavily leveraged manner — in other words, they tend to use it to prime the pump and not to support ongoing research programs.

[Read more](#)

Well ... the world needs crazy ideas to change things, because the conventional way of thinking is not always working anymore. Yes, They Could. So They Did. Read about renewable energy applications being used in India today.

[Read more](#)

Take a look at these statistics. Entrepreneurs Play Critical Role in the Economy. You'll see entrepreneurship and start-ups are meaningful in the US. How about in your countries? What can we do better to start businesses?? Read some of the articles too.

[Read more from the Kauffman Foundation](#)

Exploring a 'Deep Web' That Google Can't Grasp. An opportunity for development. Most search engines try to help you find a needle in a haystack, but that haystack is infinitely large. With millions of databases connected to the Web, and endless possible permutations of search terms, there is simply no way for any search engine — no matter how powerful — to sift through every possible combination of data on the fly. To extract meaningful data from the Deep Web, search engines have to analyze users' search terms and figure out how to broker those queries to particular databases.

[Read more](#)

Sustainable water infrastructure for the public. The issue is that development and population continue, while water rights are static. All available water has been accounted for, so the only way to get new water supply involves conservation and reuse strategies.

[Read more](#)

U.S. Zookeepers Wary of Herpes Virus Attacking Asian Elephants. Researchers say the disease, elephant endotheliotropic herpesvirus, has killed one of five Asian elephant calves born in North American zoos since 2000. It accounts for more than half of all deaths of juvenile elephants in North America, and researchers, working with available tissue samples, estimate that it has killed some 24 elephants since 1983. Still, the researchers know little about the disease, including how it is transmitted. Can new advanced methods of treatment be found?

[Read more](#)

The financial crisis is bad everywhere, but good things can happen even in hard times. A tiny, eight-year-old start-up company famed for its inexpensive and easy to use Flip video cameras has defeated a down economy. The 100-person company was bought by Cisco Systems, a technology infrastructure giant, for \$590 million. The company, Pure Digital Technologies, thought small and simple, and it paid off big time.

[Read more](#)

Can Computational Photography become a model for other cybernetic approaches to solve difficult and expensive problems using multiple, inexpensive sensors at the same time? Can this approach be used in other fields of sensing? Computational photography draws on the power of computer software and processing to extend the capabilities of digital imaging. The power comes not from expensive components, but from unique software that makes use of off-the-shelf sensors.

[Read more](#)

Russian space school, Star City, is Russia's only cosmonaut training centre. It is indispensable for human space flight. It was set up in the 1960s in a wood outside Moscow. Every cosmonaut or astronaut who has ever orbited the Earth has spent at least a few months here.

[See photos](#)

Newsletter Editing Committee:

Olga Semchuk - olga.misiura@stcu.int

Tatyana Ilyash - tatyana.illiash@stcu.int

Oleg Zalozhenkov - oleg.zalozhenkov@stcu.int

For comments and suggestions please send to Editing Committee

If you want to become a subscriber to the STCU Newsletter please submit request to subscriber@stcu.int

If you do not want to receive future copies of the STCU Newsletter please submit request to unsubscribe@stcu.int

This document has been produced with the financial assistance of the governments of Canada, the European Union, and the United States of America, as Parties to the Agreement Establishing the Science and Technology Center in Ukraine (STCU).