



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 worldwide science and business communities in order to keep you informed with our current events, upcoming news and opportunities in the world of science and technology.

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Kick-Off for STCU's S4B: Science for Business Initiative



On February 10, 2012 the Science and Technology Center in Ukraine (STCU) conducted a kick-off meeting of a new program in Ukraine. The Program is called – S4B: Science 4 Business Initiative. The initiative will be managed by STCU and supported by the U.S. Department of Energy/National Nuclear Security Administration's Global Initiative for Proliferation Prevention (GIPP).

The kick-off meeting was held at the Kyiv Polytechnic Institute. It was opened by welcoming words from Ambassador Michael Einik, STCU Executive Director, Ambassador John F. Tefft, Ambassador of the United States, Dr. Borys Grinev, Deputy Head, State Agency of Science, Innovation and Informatization; Dr. Yuriy Kapitsa, Director of IPR, Presidium of the National Academy of Sciences of Ukraine, Dr. Mykhaylo Zgurovsky, Rector, National Technical University of Ukraine "Kyiv Polytechnic Institute". Mr. Vic Korsun, Deputy Executive Director (USA) of STCU spoke to participants to explain the goals and rules for participation in new program.

The proposed Budget for the GIPP CTCO Program: S4B Initiative is \$500 Thousand USD for the first year. If the Ukrainian side would like to add to this effort and join, STCU welcomes the opportunity to work with other institutes, universities and organizations. Other Ukrainian organizations can join this effort through co-funding.

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Upcoming events

Useful Links

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Find science papers from all over the world from this useful website managed by US Department of Energy. You can find science papers from all over the world and get them instantly translated from English and several other languages!! It's great and they are working on adding other languages to the list. After you've played with it and discovered how fun and easy it is to use, please share this with your contacts, friends, or anyone else you think might be interested in scientific papers and information.

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

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

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

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

Nano-technology in Ukraine
<http://www.nano.com.ua/>

Enterprise Europe Network
<http://www.enterprise-europe-network.ec.europa.eu/services/technology-transfer>

STCU Delegation holds a Meeting with NASU



On February 14 2012 an STCU delegation led by Executive Director Ambassador M. Michael Einik met with the President of the National Academy of Sciences of Ukraine, Academician Borys Paton, Vice-president Academician Anton Naumovets, Academician Y. Yatskiv and other high officials of the NASU. The group discussed the mutual cooperation between the STCU and NASU which started in 2004 and the possible areas of targeted future cooperation for 2012. They agreed that their cooperation over the previous 16 years was highly valuable for the advancement of Ukrainian science and development of contacts between Ukrainian and Western partners. Academician Borys E. Paton also highlighted the successes of Targeted Initiative program (co-funded projects) and emphasized the importance of joint cooperative effort by building on the experiences accumulated over the years.

Association of Chief Technology
Commercialization Officers of
Ukraine

<http://www.ctco-ua.net/>

EU-Funded Research Project
Supports Partner Search For
Ukrainian Research Institutions

<http://cstei.lviv.ua/en/item/549?>

mailid=530708&userid=9192

Joint ISTC/STCU Chernobyl – Fukushima Symposium held in Japan



In Tokyo and Fukushima, Japan on February 3rd and 4th ISTC/ STCU held a joint Symposium and Seminar with Japanese nuclear experts on “The Experience and Technology of Ukraine, Belarus and Russia on Remediation and Restoration of Environments based on the Chernobyl Accident, its Aftermath, the Experience and Lessons Learned.”

The meetings were sponsored by the US Department of Energy’s GIPP Program, and organized by ISTC and STCU in conjunction with Japanese ministries.

Approximately 30 CIS scientists and government officials presented their findings and work in order to make technical contribution to the efforts in Japan to cope with the aftermath of Fukushima nuclear power plant accident. The results of ISTC and STCU research projects related to remediation and restoration of radioactive contamination was presented and discussed at the symposium/seminar in Japan. Further possibility for cooperation among the participants will be explored during the symposium/seminar. The discussions took place during two days of meetings with approximately 250 participants in each city.

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STCU conducted a study visit mission in Georgia to identify state
financial support opportunities

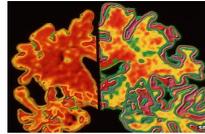


On 24-27 January, the STCU conducted a study visit mission in Georgia led by Deputy Executive Director (EU) Michel Zayet to identify state financial support opportunities towards co-funding of research projects. Dr. Nodar Surguladze, Deputy Minister of the Ministry of Education and Sciences of Georgia and Mr. Sulkhani Sisauri, General Director of the Shota Rustaveli National Science Foundation detailed the Science priorities of the Country and suggested further collaboration through the combined mobilization of financial means involving their state budget, partner organization to STCU and the Funding Parties (through their bilateral collaboration activities).

Specific reference was made to collaborations with the CERN in Geneva (www.cern.ch), with the European Union Framework Program 7 for Research (cordis.europa.eu), and to potential participation of Georgian Government Representatives as well as Shota Rustaveli Science Foundation and local scientists, to the 2012 series of promotional events STCU wishes to organize like attending the Hanover Messe Exhibition in Germany.

Useful Publications

Destructive plaques found in the brains of Alzheimer's patients have been rapidly cleared by US researchers testing a cancer drug on mice. There are a number of drugs in development that aim to clear amyloid from the brain, and the jury is still out on whether this approach will be successful as a treatment for Alzheimer's. Specialists said the results were promising, but warned that successful drugs in mice often failed to work in people. The exact cause of Alzheimer's remains unknown, but one of the leading theories involves the formation of clumps of a protein called beta-amyloid. These damage and kill brain cells, eventually resulting in memory problems and the inability to think clearly. _



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On a Georgian TV show 3 of Georgia's biggest banks, along with the Mayor of Tbilisi, listen to start-up entrepreneurial propositions and provide government-backed, competitive loans with a low 6% interest rate to business owners or would-be entrepreneurs with a credible business idea. The title of the show could roughly be translated as "Get Employed and Employ Others."



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Herschel, Europe's billion-euro space observatory, in cooperation with U. S., Canada and other nations, has entered what is likely to be its last year of operation. The telescope studies the formation of stars, and has taken some remarkable pictures since its launch in May 2009. But its detectors require a constant supply of superfluid helium to keep working, and the store of this coolant has now dropped to less than 100kg. This past week saw Herschel begin what engineers believe will be the final 365 days of its mission life.



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Heart attack symptoms 'differ in women' according to new studies. Fewer women than men suffering from a heart attack appear to experience chest pain symptoms, according to a study of more than one million people in the US. Overall men have significantly more heart attacks, but under the age of 55 women are more likely to die from one. Without displaying the classic chest pain symptoms of a heart attack, researchers say some women may not be getting the right kind of treatment.



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Aging of Eyes Is Blamed for Range of Health Woes. For decades, scientists have looked for explanations as to why certain conditions occur with age. The gradual yellowing of the lens of the eye and the narrowing of the pupil that occur with age filters out blue light and can disturb the body's circadian rhythm, contributing to a range of health problems, according to scientists studying this natural phenomenon. As the eyes age, less and less sunlight gets through the lens to reach key cells in the retina that regulate the body's circadian rhythm, its internal clock. The effect can be huge and it's just beginning to be recognized as a problem. The researchers say evidence of the body's need for blue light is increasing.



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