

IMAGINATION AT WORK



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.

STCU NEWSLETTER, April 2008



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 opportunities in Scientific Research click: <http://www.stcu.int/offer/techmatching/index.php>
- To find out more about STCU please visit <http://www.stcu.int>
- If you want to become a subscriber to the STCU Newsletter please submit request to subscriber@stcu.int

Thematic International Conference on Bio-, Nano- and Space Technologies, E U & Science Centers Collaboration, Ljubljana, Slovenia March 10-12, 2008

STCU jointly organized a conference with ISTC, hosting European Union Commissioner for Research and Science, Mr. Janez Potocnik. The event took place in Ljubljana, and combined several thematic areas throughout a period of 3 days. A total of 60 presentations and speeches were delivered with a very high level involvement from both STCU-ISTC Recipient Countries as well as from Slovenia with Representatives from the Ministry of Higher Education, Science and Technology, Slovenian Research Agency and Institute Jozef Stefan.



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Canada-Ukraine Business Summit, Kyiv, Dnipropetrovsk; March 12-14, 2008.

The first Canada-Ukraine Business Summit "Exploring new Trade, Technology and Investment Opportunities" took place from the 12th -14th of March 2008, in Dnepropetrovsk and Kiev. There were approximately 350 participants of which <250 were from Canadian and Ukrainian businesses. The Summit was specifically designed for business executives. The format was conducive to help Canadian and Ukrainian business experts strengthen their operations through collaboration. Furthermore, through enhanced access to new markets for their goods as well as developing a bigger engine for growth. The expectation was that partnerships would bring real benefits in services, trade and investment.



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Commercialization Seminar, 9-10 April 2008, organized by Closed Nuclear Centres Programme (CNCP) of the United Kingdom.

Ukrainian Chief Technology Commercialization Officers and Project scientists took part in Commercialization Seminar, 9-10 April 2008, organized by Closed Nuclear Centres Programme (CNCP) of the United Kingdom.

This Seminar was an international event where delegates could meet together to discuss commercialization issues and hear about some of the latest developments in this area from British experts and to hear recent commercialization activities of the institutes.

International experience has shown that research scientists and engineers need assistance to develop their ideas and inventions in order to exploit properly opportunities offered by the market economy. This seminar, therefore, brought together researchers and others with experience in the nuclear sector to explore some of the issues involved in commercializing technologies.



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Upcoming events

BIO-2008 exhibition June 17-20, 2008 in San Diego, California.

See the top 10 bio-technology breakout sessions at the conference and exhibition.

[read more](#)

German-Ukrainian Symposium of Nanoscience and Nanotechnology 2008 22th - 25th September 2008 at University of Duisburg-Essen, Germany

The long-standing collaboration between German and Ukrainian scientists shall be fostered and developed by a joint symposium on the exciting fields of nanoscience and nanotechnology. Besides an exchange of scientific results, special emphasis is laid on the participation of industry and funding organizations. Practical applications of nanotechnology are in the focus of this symposium, including the transfer into commercial products. Oral and poster contributions from all countries are invited for all fields related to nanoscience and nanotechnology. The conference is supported by the German Ministry of Science and Technology and the Ukrainian Academy of Sciences.

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Useful Links

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

The National Academies Press

<http://orsted.nap.edu/>

NNO Group - innovation excellence

www.inno-group.com

AEA group

AEA is a leading international company specialising in consultancy, policy support and programme management for policy implementation

www.aeat.co.uk

Google Publication Search

<http://scholar.google.com.ua>

Google Patent Search

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

"Innovations" Internet magazine

<http://mag.innov.ru/>

TNO - Kennis voor zaken

TNO is applied research company in the Netherlands

www.tno.nl

STCU CTCO's from Azerbaijan and Georgia participate in additional training

Under the STCU's Chief Technology Commercialization Officers Program 4 Chief Technology Commercialization Officers (CTCOs) (2 from Azerbaijan and 2 from Georgia) took part in the Seminar April 10-11, organized by International Science and Technology Center.

The theme of the Seminar was "Actual questions of technology transfer and commercialization of technologies".

- Marketing of technology, methodology and practice of scientific-industrial cooperation
- Creating Sustainable Value
- Best Practices/Industry Overview
- Specific Cases



At the seminar CTCOs learned new ways of technology commercialization. The CTCOs had many questions for the trainers.

Moreover, CTCOs negotiated with other participants of the Seminar and they found mutual interests. For example, Elbay Babaev, CTCO from Azerbaijan negotiated with Mr. Kim, Director of Technology Transfer Center in Siberia department of Russian Academy of Sciences. As a result of these discussions they agreed to prepare and sign agreement for cooperation between newly created Azerbaijan Center of Technology Transfer and Technology transfer Center in Siberia department of Russian Academy of Sciences.

Round Tables on "Commercialization of scientific developments: STCU programs and initiatives".

STCU conducted 2 Round Table presentations on "Commercialization of scientific developments: STCU programs and initiatives". The meetings were organized by Tatyana Ilyash.

May 6 Round table was conducted at Institute of Physics along with scientists from Institute of Semiconductor Physics. More than 30 scientists and their CTCO's attended the all-day meeting.

May 7 Round table was conducted at Institute of Aerospace Research along with Scientists from Institute of Cybernetics and other institutes, more than 20 scientists participated. The program of Round Table included presentations of STCU management and staff and round table discussions with scientists.



Some of the participants of the Institute of Physics Roundtable

Round Tables on "Commercialization of scientific developments: STCU programs and initiatives", at National Technical University of Ukraine "Kyiv Polytechnic Institute"

On May 22, STCU conducted Round Tables "Commercialization of scientific developments: STCU programs and initiatives" at National Technical University of Ukraine "Kyiv Polytechnic Institute". The Round Table meetings were organized by Tatyana Ilyash who is acting Sustainability Officer at STCU.

The program of Round Table meetings includes presentations of STCU management and staff and round table discussions with scientists.

- "CTCO: Chief Technology Commercialization Officer or Technology Transfer," and "Commercialization of intellectual property: new possibilities", presented by Vic Korsun Deputy of Executive Director STCU (USA).
- "Ways of commercialization of technologies: CIS peculiarities", "STCU's partnership program", "EU 7-th Framework program", presented by Petr Melnik-Melnikov, Non-governmental partnership Manager of STCU.
- "STCU patenting support program" presented by Oleg Zalogenkov, Patent Officer of STCU.

KPI management expressed an interest in the Chief Technology Commercialization Officers Program at STCU and will review the process for joining. KPI management hosted the speakers and others in a dinner in KPI's Alma Mater Cafe where everyone enjoyed the food and the company.



Business Forum "Problems and perspectives of development of innovative activity at KNTEU, in Ukraine"

STCU management and staff took part in Business Forum "Problems and perspectives of development of innovative activity in Ukraine", April 17, in Kyiv.

The Forum was organized by Kyiv National Trade-Economical University (KNTEU). Representatives of the following organizations had talks at Business Forum: Ministry of Education and Science, Institute of High Qualification, Institute of Economics and Prognostication, National Institute of Strategic Researches, State Academy of Statistics, Registration and Audit of Statecomstat of Ukraine, State Innovative Finance-Credit Organization, Institute of Intellectual Property and Rights, "Zovnishexpo" company, "Evroindex" company, "Nokia-Siemens Networks Ukraine" company, International Economics Foundation, "Kyiv Center of Exact Evaluation", Ukrainian Association of Business Incubators and Innovative Centers.

[Please see talk from the Business Forum given by Nokia-Siemens Networks Ukraine" company.](#)

World Bank Seminar.

STCU staff participated in World Bank Seminar April 22, 2008 in Kyiv at the Presidium of National Academy of Science in Ukraine. The meeting was organized to address issues of Innovation, Commercialization and Technology Transfer. Presenters highlighted successful activities from Germany, Russia, Ukraine, France and Armenia. This seminar was the third in a series on these topics presented by World Bank organizers.

New medical projects to start at STCU

STCU is starting two new projects on HIV infections and tuberculosis in Ukraine, sponsored by US Government organization, BTEP (The Department of Health and Human Services' Biotechnology Engagement Program). These projects will be performed in Lviv, Kyiv and Odessa by the research groups of Lviv Research Institute of Epidemiology and Hygiene (LRIEH), I.I. Mechnikov Ukrainian Anti-Plague Research Institute (UAPRI), Central Sanitary Epidemic Station (CSES) and Odessa Regional Sanitary-Epidemic Station (ORSES). The Project Manager of project entitled "HIV dissemination monitoring and studies of the behavioral factors and biological characteristics of the viral infection among pregnant women and persons of reproductive age in Ukraine" will be Dr. Alla Fedchuk, Leading Researcher at the UAPRI, the leading organization for this research. The Project Manager of project entitled "Epidemiological Surveillance of Tuberculosis in Ukraine; a Geospatial Approach" will be Dr. Oleksandra Tarasyuk, Director of LRIEH, the leading organization for this research.

Participation in Ukrainian Forum of Private Investors.

Second Annual Ukrainian Forum of Private Investors took place on May 21 in Ukrainian House (Kyiv, 2 Khreshatik str). STCU supported two Ukrainian scientists (Dr. Bedjukh, National Taras Shevchenko University and Dr. Pekaryk) for participation in this event. They presented business plan concerning technology and equipment for carbon containing waste processing. As the first step in their technology a magnetic shock technology is applied to used tires for separation of metal cord from rubber. As the final step rubber crump and other carbon containing wastes are processed into synthesis-gas. Vic Korsun, STCU Deputy Executive Director (USA), was invited to participate in Ukrainian Forum of Private Investors and to give a talk on "Science Innovation Technologies in the Global Marketplace"

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International Conference of Aerospace Observation.

Ukrainian Institute of Space Research organized International Conference of Aerospace Observation in the interests of Sustainable Development and Safety. June 3-5, 2008, Kyiv. If you are interested please contact the organizing committee:

8 (044) 526-25-53

8 (044) 526-41-24

e-mail: conf-geoua@ikd.kiev.ua

Meeting June 6 in Kyiv on "Sensor web and Flood Monitoring"

Ukrainian Institute of Space Research organized a second meeting June 6 in Kyiv on "Sensor web and Flood Monitoring".

[read more](#)

Useful Publications

The following web links show you recent scientific publications and articles of western organizations. This is being sent to you to acquaint you with the State – of – the – Art in these fields of research. If you have recently published a technical or scientific article based on your own research we invite you to submit this article to the STCU – Newsletter and provide us a copy and the link to the web – article. In this way we will be able to highlight recent technological developments at Institutes in Ukraine, Georgia, Azerbaijan, Uzbekistan and Moldova. Please submit to vira.fedorova@stcu.int.

Some of the following articles may require your registration. You can register yourself, it is usually free.

Ukrainian President presented prize in science.

4/16/08 President Viktor Yushchenko took part in a ceremony of presentation of Ukrainian State Prize in science and technology to scientists. President's press office reports

[read more](#)

Ukrainian President awards science prizes at NAS meeting

4/17/08 President Viktor Yushchenko took part in a general meeting of National Academy of Sciences members. President's press office reports.

[read more](#)

The New York Times have published multi - series of articles related the Global Ecology topic. In this "Green issue" you can read views on this important topic.

Article: "The Green Issue", by Gyongy Laky, Published: April 20, 2008 NYTimes

[read more](#)

Global food prices are rising and affecting the world's food supply. This article highlights this important global issue. Perhaps there are scientists that work with STCU who can address the future shortages through new technological developments and improvements in agricultural growth methods.

Article: "Rice prices 'to keep on rising'", Published: 11 April 2008 BBC News

[read more](#)

For budding entrepreneurs, and others, who need more time to finish their work, this article gives you hints on how to manage your time better and improve your time - management skills. We all face the time limitation of the 24 hour day, but using these skills we can find approaches to do more with less time.

Article: "For Entrepreneurs, It's All About Time", by PAUL B.BROWN, Published: April 1, 2008 NYTimes

[read more](#)

Article: "Robot Ship Cleared to Dock With Space Station", by WARREN E. LEARY, Published: April 2, 2008 NYTimes

[read more](#)

A recent space accomplishment by Europe's new Jules Verne space ship shows a completely automated maneuver to dock with the International Space Station high over our heads. Read and see how this was performed.

Article: "Robot space truck docks with ISS", by Jonathan Amos, Science reporter, Published 3 April 2008 BBC News

[read more](#)

Even those nations who sell oil to the world are implementing new renewable energy sources in their country.

Skyscraper powered by wind, Published 10 April 2008 BBC News

A building believed to be the world's first wind-powered mega structure is being tested in the Middle East. The Bahrain World Trade Center has three huge wind blades incorporated at the center of its design.

[read more](#)

Article: "California OKs Think Tank on Global Warming", by the ASSOCIATED PRESS,

Published: April 11, 2008 NYTimes

[read more](#)

New medical procedures in western hospitals and universities are improving survival of patients. If you have recent medical technological advancements please submit your published articles and web links to vira.fedorova@stcu.int

Article: "Adding radiofrequency ablation to chemoembolization ups liver cancer survival", by Anthony J. Brown, Last Modified: April 8, 2008 MD Reuters Health

[read more](#)

New x-ray digital technologies are helping to improve breast-cancer detection. If you have recent medical technological developments please submit your published articles and web link to vira.fedorova@stcu.in

[fedorova@stcu.in](mailto:vira.fedorova@stcu.in)

Article: "In Shift to Digital, More Repeat Mammograms", by DENISE GRADY Published: April 10, 2008 NYTimes

[read more](#)

Article: "Advances in Cancer Diagnosis and Treatment", AHC Media LLC

[read more](#)

High tech investors are beginning to make inroads into Ukraine and other CIS countries. These investors are planning to open offices in Kyiv. Read article about their technology interest.

Article: "Private equity pushes East", by Martin Arnold, Published: April 11, 2008 Financial News

[read more](#)

For those of you who have wondered when and where Silicon Valley (California, USA) was started, read and see the original garage of William Hewlett and Dave Packard. We now know them as Hewlett-Packard or HP.

Article: "The garage where it all began", By Maggie Shiels, Published: April 11 2008 BBC News, San Francisco

[read more](#)

Because of the awareness of global warming it is now evident that the cost of food transportation is contributing significantly to world pollution levels. Ukraine, and other food-producing countries, have important advantages and can reap benefits from carbon-emission as based on the Kyoto-protocol.

Article: "Environmental Cost of Shipping Groceries Around the World", By ELISABETH

ROSENTHAL Published: April 26, 2008, NYTimes

[read more](#)

Read how Kodak, the world's original photography company, has had to re-invent itself in the Digital Age. Read how companies are changing to stay globally competitive. Read how they "audited" their patent portfolio and are now receiving more than 250 million dollars in licensing fees.

Article: "At Kodak, Some Old Things Are New Again", By CLAUDIA H. DEUTSCH Published: May 2, 2008 NYTimes

[read more](#)

Article: "Shortages Threaten Farmers' Key Tool: Fertilizer", By KEITH BRADSHER and

ANDREW MARTIN Published: April 30, 2008 NYTimes

[read more](#)

Read more about the HIV-AIDS epidemic in Ukraine and Russia.

Article: "Russia Must Grab Chance to Beat AIDS Epidemic: U.N.", By REUTERS Published: May 3, 2008 NYTimes

[read more](#)

Below you can read recent western scientific advancements in Nano-technology. If you have Nano-related articles or web-links please submit to vira.fedorova@stcu.int

Article: "Nanowiring using boron clusters", Published: May 2, 2008 Nanotechweb.org

[read more](#)

Article: ""Pine tree" nanowires do the Eshelby twist", Published: May 2, 2008 Nanotechweb.org

[read more](#)

Article: "Gold nanoparticles make memory-transistors", Published: May 1, 2008 Nanotechweb.org

[read more](#)

Article: "Superhydrophobicity enhances Sb₂O₃", Published: Apr 29, 2008 Nanotechweb.org

[read more](#)

Article: "Luminescent nanowires grow horizontally", Published: Apr 29, 2008 Nanotechweb.org

[read more](#)

Article: "Multiferroics go nano", Published: Apr 28, 2008 Nanotechweb.org

[read more](#)

Solar cells have helped create about 40,000 jobs in Germany. Read more about the leading companies in this article.

Article: "Solar Valley Rises in an Overcast Land", By MARK LANDLER Published: May 16, 2008 NYTimes

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Thematic International Conference on Bio-, Nano- and Space Technologies, E U & Science Centers Collaboration, Ljubljana, Slovenia March 10-12, 2008

STCU jointly organized a conference with ISTC, hosting European Union Commissioner for Research and Science, Mr. Janez Potocnik. The event took place in Ljubljana, and combined several thematic areas throughout a period of 3 days. A total of 60 presentations and speeches were delivered with a very high level involvement from both STCU-ISTC Recipient Countries as well as from Slovenia with Representatives from the Ministry of Higher Education, Science and Technology, Slovenian Research Agency and Institute Jozef Stefan.

The conference linked Scientists from National Laboratories and Institutes, Government Agencies, University Professors, Private Company representatives, International Organizations, and Embassies. The main purpose was to foster scientists to promote themselves and to help them secure financing for future research activities. After the official opening on the Monday morning, a first dedicated series of general science overviews were delivered. Then, day two was dedicated to Aerospace, and day three held in parallel a Workshop on Biotechnologies and one on Nanotechnologies and New Materials. Finally, Scientists had an opportunity to organize a series of targeted visits and develop extensive networking.



Commissioner Potocnik with STCU Chairman Governing Board Zoran Stancic, STCU Executive Director Andrew Hood, Deputy Executive Director EU Michel Zayet and participating Specialists Mikhaylovska, Taberko and Us

Speeches and Presentations from the Conference may be downloaded from this webpage: <http://www.stcu.int/slovenia/>. In support to the event presentations, we recommend browsing STCU Technology Profile Forms from our website at Technology Marketplace section. Also Lectures can be watched directly online at the following address: http://videolectures.net/tict08_ljubljana/ thanks to the Institute Jozef Stancic.



Commissioner Potocnik with STCU Executive Director Andrew Hood

Contact person: Michel Zayet

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Canada-Ukraine Business Summit, Kyiv, Dnipropetrovsk; March 12-14, 2008.

The first Canada-Ukraine Business Summit "Exploring new Trade, Technology and Investment Opportunities" took place from the 12th -14th of March 2008, in Dnepropetrovsk and Kiev. There were approximately 350 participants of which <250 were from Canadian and Ukrainian businesses. The Summit was specifically designed for business executives. The format was conducive to help Canadian and Ukrainian business experts strengthen their operations through collaboration. Furthermore, through enhanced access to new markets for their goods as well as developing a bigger engine for growth. The expectation was that partnerships would bring real benefits in services, trade and investment.

The very successful Summit was the result of intense collaboration and organization between the Canadian Embassy in Kiev, Ukraine, the Science & Technology Center in Kiev and the Canadian Department of Foreign Affairs and International Trade (Ottawa). Two major private sector partners in Dnepropetrovsk, (Agro-Soyuz Corporation and the International Construction Company "Ukraine - Canada") plus three major Canadian sponsors (Export Development Canada, the Ontario Ministry of Economic Development and Trade and Industry Canada) and the Diplomatic Academy of Kiev were involved. The Canadian Ambassador, Her Excellency Abina Dann opened the Summit by stressing that it offered an opportunity for organizations in both countries to aggressively pursue partnership and business linkages. Following her presentation, the highly motivated crowd heard presentations from His Excellency Ihor Ostash (the Ukrainian Ambassador to Canada), Victor Bondar (Governor of the Dnepropetrovsk State Administration) and Ivan Lazarenko (First Deputy Head of Dnepropetrovsk Oblast Council). This was followed by two concurrent sessions. "Partnering & Commercialization" which was Chaired by Dr. Landis Henry (STCU's Deputy Executive Director, Canada) which focused on the need to strengthen the links in the innovation cycle, bringing research institutions and businesses closer together and providing researchers with the skills and incentives to take their ideas to market. The concurrent session was "Trade, Finance and Investment" was Chaired by Michael Reshitnyk (Senior Trade Commissioner, Department of Foreign Affairs, Canada).

The second day focused on the development of partnerships between Canadian and Ukrainian stakeholders and was organized around four simultaneous sessions, namely;



- Energy and Environment
- High Technology and Aerospace
- Agriculture
- Construction & Infrastructure

The "must-attend" formal sessions laid the groundwork for the development of public - private partnerships that were pursued vigorously. The formal and informal sessions energized company managers and owners and equipped them with information they could use to enhance their business operations through collaboration. At the meeting, Canadian company managers brought with them capital, skills and experience that Ukraine needs in order to transform science excellence into new technologies, products and processes for industry.

The Keynote Speaker at the Summit was Dr. Henry Mansch, Senior Advisor, Office of the National Science Advisor (Ottawa) who presented an enlightening talk about "The globalization of science and its economic consequences".

The Summit concluded in Kiev at the Diplomatic Academy with very enlightening presentations from a number of political leaders as well as key business personnel. Overall, the first Canada - Ukraine Business Summit served to educate, motivate and empower entrepreneurs through powerful general and targeted sessions and provided ample opportunities for direct interaction between the private and public sector organizations on both sides of the Atlantic. The conference was emphatic in its message - partnerships. A number of significant Agreements were signed at the Summit and several more are currently under discussion.

For further information please contact:

[Dr. Landis Henry](#)

STCU, Deputy Executive Director (Canada)



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Meeting June 6 in Kyiv on "Sensor web and Flood Monitoring"

Ukrainian Institute of Space Research organized a second meeting June 6 in Kyiv on "Sensor web and Flood Monitoring".

The workshop is jointly organized by: " National Space Agency of Ukraine (NSAU), " National Aeronautics and Space Administration (NASA), " CEOS Working Group on Information Systems and Services, " International Federation of Red Cross. Objective:

The workshop was devoted to the implementation of Sensor Web technologies for disaster monitoring and prediction, in particularly, floods and fires.

The Workshop covered the following topics:

1. " Introduction to IFRC and its activities,
2. " Cascade of models for flood monitoring and prediction,
3. " Implementation issues (using OGC's CSW, OPeNDAP, Sensor Web, etc.)

Agenda:

1. Introduction to IFRC and its activities.
2. Cascade of models for flood monitoring and prediction.
 - a/ numerical weather prediction models (WRF, GFS)
 - b/ hydrological models (Hydrological Simulation Program - Fortran (HSPF, <http://water.usgs.gov/software/hspf.html>), MIKE11, neural network based models)
 - c/ flood extent extraction from SAR and optical imagery (EO-1)
 - d/ models verification
3. Implementation issues.
 - a/ OGC's CSW
 - b/ OpeNDAP
 - c/ Sensor Web
 - d/ Visualization (using KML, Google Earth)
4. Data Sets and Products Availability.
 - a/ ASAR/Envisat
 - b/ EO-1
 - c/ MSG, MetOp-1
 - d/ MODIS
5. Shedule of the project implementation.

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This Seminar was an international event where delegates could meet together to discuss commercialization issues and hear about some of the latest developments in this area from British experts and to hear recent commercialization activities of the institutes.

International experience has shown that research scientists and engineers need assistance to develop their ideas and inventions in order to exploit properly opportunities offered by the market economy. This seminar, therefore, brought together researchers and others with experience in the nuclear sector to explore some of the issues involved in commercializing technologies.

The objectives of this seminar were:

- To introduce delegates to the UK's experience of critical aspects of commercialization such as intellectual property, exploitation of new technologies and business start ups;
- To discuss experience of commercialization with nuclear institutes from Ukraine and Belarus, and
- To stimulate discussion about commercialization processes in nuclear institutes.

The Seminar was jointly organized by CNCP and Kharkiv Institute of Physics and Technology (KIPT).

Organizations and speakers participated in the Seminar:

- CNCP, represented by Patrick Gray, CNCP Project Leader, Head of Moscow office of HTSPE Ltd. with presentation "What is CNCP".
- "Kharkiv Institute of Physics and Technology (KIPT)", represented by Ivan Neklyudov, General Director of KIPT, National Academy of Sciences of Ukraine;
- Konstantin Kovtun, with presentation "Development of thin vacuum tight Be foils production";
- Igor Papiro, with presentation "Organization of production of biosoluble in vivo stents made of UFG magnesium alloys";
- Sergey Pugach, Head of Commercialization unit, NSC KIPT;
- Vladimir Chizhov, Deputy Director, NSC KIPT
- Trevor Hayward, Deputy Program Director "Global Threat Reduction Program", Department for Business Enterprise and Regulatory Reform.
- "Isis Innovation", presented by Tim Hart; with presentations: "Technology Transfer from the University to Oxford", "Oxford Catalysts" (case study).
- "Anglo Scientific", presented by Douglas Dundonald, with presentation "Identifying, supporting and financing science-based business start-ups".
- "Defence Science and Technology Laboratory", presented by Porton Down, with presentation "Effective Intellectual Property Management".
- "Kyiv Mohyla Business School", presented by Pavlo Sheremeta, with presentation "Marketing and organizational aspects: from Courtship to Infant".
- "Harwell Science and Innovation Campus (Isotron plc)", presented by Steve Sugden, with presentation "Isotron" and others.



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Lecture to Kyiv National Trade-Economical University (KNTEU) Conference 17th April 2008

Innovation and Development Ukraine

Bernd Conrad, Nokia Siemens Networks Ukraine,
Program Manager Nord East Region – Ukraine

Working at Siemens AG(SC) since 23 years, respectively since 01.04.2007 with "Nokia Siemens Networks" (NSN) joint venture.

Since 2003 responsible for project development and - management of "Intelligent Networks" in Ukraine

Intelligent Networks are used in mobile communications i.e. in „Prepaid Services“. In operation by main mobile network providers as there are MTS (UMC), Kyivstar and Life.

What can be done by the Ukrainian government for promotion of Innovation and Development in Commerce and Science?

Commercial Development needs infrastructure not only in sense of traffic, as modern streets, railroads and flight connections. It is not sufficient to build a new highway from the airport to the city, but the highways and the civil infrastructure are still at the level of the '60's. In the year 1980 Kiev traffic reached the forecasted number of cars for the year 2000. The innovation is stuck in the sense of the word.

Provisioning of infrastructure means also to promote and to operate modern networks of information. The connection of several public institutions and civil organizations to the internet and the active usage of timely information- and communication ways have to be driven proactively. Governmental employees should have the possibility to perform the main part of their work processes with the citizens also by usage of "e-mail". Governmental promotion of innovation is a pier of commerce. The cooperation between governmental high schools and economy must be promoted actively. This promotion must be published officially. Economy needs standardized interfaces between commercial companies and administration. Communication between economy and administration should not completely rely on relationships, but has to work independent with the same rules everywhere and for every person.

With a modern and efficient administration only government can prepare the ground for innovative development in economy and science.

Unfortunately, it is obviously the daily practice to follow and to fulfill bureaucratic processes and rules without any sense for national economy. Exactly such processes using, moreover they're destroying valuable resources which can be better used for real innovations. I'll give you a small example, the "і́ооааіє єєіо". Everybody who uses a company car knows it. According the law, it should be filled daily. The fill out procedure lasts 5 minutes.

With 220 working days per Year 220 x 5 Min. = 18.3 h

18.3 h for 1 Car!

Our company uses approx. 103 Cars.

The effort for creation of Putevoj List costs summarized 1885h per year.

It is more than one fulltime workplace which cannot be used for economical or scientific progress. Another extremely important point inside economical and scientific work processes is the keeping of basic rules of business ethics. The reflection to the times of Russian Salesmen (Дóññèèé Êóíàó) was a word and a handshake was a valid contract seems to be urgently needed. Nowadays it is usual practice to create and to sign long contracts for terminating them later on. Without stable and reliant commercial base innovation cannot be financed. With root based business ethics only it the Ukrainian society provides chances for small and medium sized companies to use their full innovation potential. Moreover small and medium sized companies need more flexible banks and lower interests as it nowadays usual in Ukraine. An interest of approx. 10-14% is good for people who have money, but it is poison for them who need investment. For example in Germany, a quite high percentage of yearly gross national income is earned by small and medium sized companies. Real innovations are achieved by those companies due to their variety. It should be a national target to reach it also in Ukraine. Ukraine has an extremely high scientific potential which should be used for commercial success.

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