

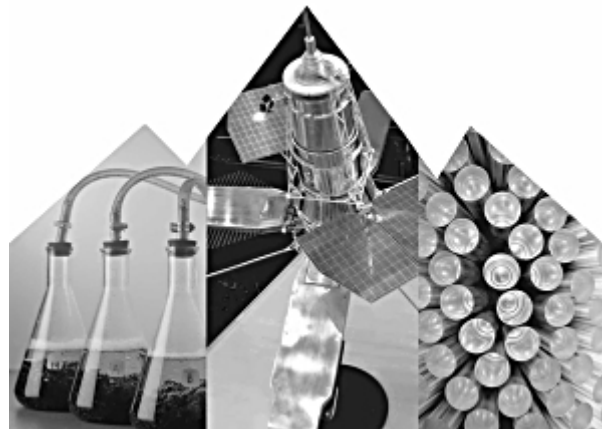


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## Summary of Workshops/Seminars and Science Promotional Missions

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With a total of over 22 participations to or organizations of events, STCU remained remarkably active in the course of 2008, certainly at a similar level to the past two years. This visibility structurally supports the other parts of the program as it attracts interest from Collaborators and Partners, and in addition it stimulates Recipient Countries initiatives to seek co-funding schemes allowing for more conversion projects to materialize. Here are now the key representative events with their specific goals, and monitored achievements to date:



### Roundtable on Commercialization of R&D Results, Kharkiv, 5-7 February 2008

STCU organized three Round Table meetings, titled “Commercialization of R&D Results: STCU Programs and Initiatives”, held in Kharkiv, Ukraine and involving nearly 100 scientists from 3 local organizations. These Round Tables, led by STCU Deputy Executive Director Vic Korsun, had three main objectives (i) to inform regional scientists about the opportunities the STCU can offer in the frame of partnership, patent support and training programs; (ii) to discuss the most important issues of technology transfer and commercialization of R&D results; and (iii) to collect feedback on effectiveness of the STCU Programs.

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

The Conference took place in Ljubljana, and combined several thematic areas throughout a period of 3 days. It linked Scientists from National Laboratories and Institutes, Government Agencies, University Professors, Private Company representatives, International Organizations, and Embassies. The main purpose was to foster former weapon scientists to promote themselves and to help them secure financing for research activities. The event was opened by a welcoming speech from European Union Commissioner for Research and Science, Mr. Janez Potočnik.

The event approach was to have three dedicated days. 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 had in parallel a Workshop on Biotechnologies and one on Nanotechnologies and



New Materials. STCU jointly organized a conference with ISTC, hosting. 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 Jožef Stefan.

**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 Dnipropetrovsk and Kiev. There were approximately 350 participants among which 250 were 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.

**STCU scientists, jointly with ISTC, participated at the exhibition on Environment 'Globe 2008' in Vancouver, Canada, 12-14 March 2008.**

A delegation of 12 scientists from Ukraine and Georgia participated in the 10th biennial Trade Fair and Conference on Business and Environment 'Globe 2008". Canada's Global Partnership Program, of the Ministry of Foreign Affairs and International Trade, sponsored some of the participants. Jointly, STCU and ISTC, had a booth at the exhibition, where scientists could meet with attendees to discuss technology needs and opportunities, learning directly what Canadian companies are expecting in this important science area.

**Commercialization Seminar, organized by the Closed Nuclear Centers Program (CNC) of the United Kingdom, 9-10 April 2008,**

This Seminar was an international event where Ukrainian Chief Technology Commercialization Officers and Project scientists 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.

**Science Promotion Mission to CERN, (Ukraine and Georgia - GNSF), 15-16 July 2008**

With an already long lasting collaboration between the European Nuclear Research Center (CERN) and two of STCU Recipient Countries – Ukraine and Georgia, it seemed adequate to jointly organize a presentation mission to Switzerland and France to reaffirm the scientific interest of the Eastern scientific solution providers and renew collaborative research ties. Two of the Large Hadron Collider experiments were visited – ALICE and ATLAS. Subsequently, meetings took place with their respective spokesmen in order to potentially re-start new collaborations in the field of microchips and detectors. The CERN indicated that all the equipment developed in STCU countries proved to be efficient and innovative. As a consequence, new regular projects have been registered in this Fall for themes of current need.

**German-Ukrainian Symposium of Nanoscience and Nanotechnology 2008 22nd - 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 latest research in nanoscience and nanotechnology. Besides an exchange of



scientific results, special emphasis was put on the participation of industry and funding organizations. Practical applications of nanotechnology were in the focus of this symposium, including the transfer toward realization of commercial products. Verbal and poster contributions from a large group of countries were invited in all related fields. The German Ministry of Science and Technology, the National Ukrainian Academy of Sciences and the Centre supported the conference.

**International conference on Materials and Coatings for Extreme Performances: Investigations, Applications, Zhukovka, Crimea, Ukraine, September 22-26, 2008**

For its key Ukraine-based 2008 Conference, STCU decided to co-finance this international conference initially organized by the Frantsevich Institute for Problems of Materials Science, the National Academy of Sciences of Ukraine, and the Ukrainian Material Science Research Society. The event was to focus on one of the most important fields of materials science, namely the science and technology of materials (including nano- and "smart"). It did more specifically addressed high and cryogenic temperatures, aggressive environments, complex and alternating-sign loads, thermal cycling, enhanced pressure, micro-gravity, vacuum etc. Special attention was paid to materials for aerospace applications. As an international forum it did facilitate the exchange and communication of a growing knowledge base with developments in the (i) Principles of designing materials and coatings for operation in hazard conditions, (ii) Scientific fundamentals and computer models for the processes of manufactured materials and coatings for operation in hazard conditions, (iii) Advanced technologies for production and joining materials and products for operation in severe conditions, (iv) Structure and properties of materials and coatings for operation in hazard conditions, (v) Special Session "Thermal Barrier Coatings", (vi) Experimental data obtained from performance of materials and coatings in hazardous conditions, (vii) Potential and contemporary technologies for recycling industrial waste aimed to produce structural, heat-isolative, facing and other materials, and finally (viii) Scientific, organization and information problems of cooperation between scientists in the field of materials science.

The conference gathered a majority of participants from Ukraine and Russia leading to potential new joint collaborations and also attracted several representatives from Canada.