

**Report on the 18th
International Forum on
Telecommunications,
Information and Bank
Technologies: TIBO-2011**

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The main IT exhibition of the country is held in Minsk (Belarus) at the initiative of the Ministry of Communications and Informatization of the Republic of Belarus. Over the years of its operation, TIBO has numerously proved its leadership among the fairs in the Republic of Belarus both in terms of the scale of the exhibition and the number of the visitors, and the competent composition of the exhibitors. TIBO is targeted to assist efficient use of information and communication technologies for social-economic development of the Republic of Belarus. The reputation of the country's leading show of international and national achievements in the field of communications, telecommunications, software, office hardware, and consumer electronics was successfully approved in spring 2011 when the Forum celebrated its 18th anniversary.

The number of the fair exhibitors has been growing constantly. The organizers chose the Football Arena (the largest roofed exhibition space in the country) as the exhibition spot in 2007. The Belarusian Congress on the Information Society Technologies and the "TIBO Internet Prize" Republican Competition of Internet Resources are traditionally organized within the framework of the Forum.



TIBO annually demonstrates how rapidly the world is changing. The topical development problems of the Belarusian IT industry have been formulated and discussed precisely at TIBO in various years. We found out how to pay with a bank card in 1994, studied the GSM 900 operational mobile radio communication system in 1996, tasted the ADSL Internet access and found out how to surf the Web through WAP in 2002. We learned the CDMA 2000 mobile communications technology based on the code division multiple accesses in 2003, and we got the chance to access Internet through Wi-Fi in 2005. In 2007, TIBO showed us what Metro Ethernet and EV-DO were all about.

The leading information technology and service manufacturers and suppliers are among the permanent exhibitors of the fair: Nokia Siemens Networks, Huawei, LM Ericsson International AB, ZTE, Xerox Limited, SIS Group International, Svyazinvest OAO, Beltelecom RUP, Belpochta RUP, MTS COOO, Velcom IP, MTIS OAO, Cosmos TV COOO, Alternativnaya Tsifrovaya Set IOOO, Delovaya Set SP OOO and others.



WHAT WAS TIBO-2011?:

- the products of 200 companies from 15 countries;
- over 25 000 visitors;
- the Belarusian Congress on the Information Society Technologies (the biggest in 18 years) hosting about 800 specialists representing 368 companies from 12 countries;
- 407 applications to 15 categories at the “TIBO-2011 Internet Prize”, the 9th Republican Competition of the Belarusian Internet Resources;
- a live webcast of the Plenary Session, Conferences, and the “TIBO-2011 Internet Prize” Award Ceremony;
- the target set by Mr. Nikolay PANTELEI, Minister of Communications and Informatization of the Republic of Belarus: to become the Top-30 global IT leader country by 2015 (at the Congress Plenary Session);
- Lantmateriet (the Swedish National Geodetic Administration of Cartography, Cadastre and Registration) made its debut participation in the Congress;
- the Memorandum on Cooperation signed between the Ministry of Communications and Informatization of the Republic of Belarus and the Ministry of Transport and Communications of the Republic of Lithuania;
- for the first time in the CIS countries, discussion of the topic titled “Modern Automated Identification and e-Business Technologies. Status and Development Perspectives” (the ID COMPETENCE 2011 Conference and Congress);
- for the first time in Minsk, organization of the panel discussion in the popular “Investor Day” format;
- the record breaking number of participants of the seminar titled “Contemporary IT trends for university education. Foreign universities’ experience”;
- the presentation of the first ever Bluetooth Network in Belarus;
- the National Exposition of the Republic of Lithuania organized by the Infobalt Association;
- the summary of the State Program of Informatization for the previous five-year plan and introduction of the IT industry development plans until 2015.



And, of course, TIBO-2011 is the USB sticks in a shape of baloney or the Kremlin Tower (FlashMaster OOO), the Smart car to play a racing simulator inside, the man-tall sneakers (Velcom IP), the camera on the bottom of the fish bowl (Pentax), the wainscot TV-set (Vityaz), the A-printer capable of printing anything or basically everything (Belyi Terem TM), the subscriber mapping system (MTS COOO), the LTE-modems (ZTE), and... a live squirrel (White Cartridge)!



The 18th International Specialized Forum on Telecommunications, Information and Banking Technologies, TIBO-2011, was organized according to the Edict #28p of the Prime Minister of the Republic of Belarus, dated March 02, 2011. The Forum was held on April 26 through to April 29, 2011 under the slogan: "Continuing innovative development of the country with information technologies."

The five-year development period of the IT industry of the Republic of Belarus had finished in 2010, and the plans were made for the next five-year period. Due to that TIBO-2011 presented the core implementation results of the Electronic Belarus State Program and organized detailed discussion of the National Program of Services Accelerated Development of Services in the Field of IT and Communication Technologies for 2011-2015.

The International Specialized Exhibition TIBO-2011 exhibited the products of over 200 companies from 15 countries: Belarus, Russia, Ukraine, Lithuania, Latvia, Poland, Croatia, Germany, France, Sweden, UK, China, Taiwan, Japan, and the USA. In addition to the stand-alone companies, the fair hosted the collective stands of the following state bodies: the Ministry of Communications and Informatization of the Republic of Belarus, the Ministry of Industry of the Republic of Belarus, the State Committee on Science and Technologies of the Republic of Belarus, the State Property



Committee of the Republic of Belarus, the Minsk City Executive Committee (Belarus).

It was the first time for the Lithuanian IT companies to have their collective stand at the exhibition under the auspices of the INFOBALT Association of Information Technologies (Republic of Lithuania). The Ministry of Communications and Informatization of the Republic of Belarus and the Ministry of Transport and Communications of the Republic of Lithuania signed the Memorandum on Cooperation at the exhibition.

The exhibitors showed innovative solutions in various IT fields:

- mobile and wired communication services (video conference systems with the HD-quality participation effect);
- the IMS-services based on the GPON subscriber's access (Beltelecom RUP);
- the 4th generation LTE mobile network, cloud computing and "mobile health" (M-health) (MTS COOO);
- the hybrid post and catalog retail (Belpochta RUP);
- the HDTV and 3DTV broadcasting; (Cosmos TV COOO);
- interactive services for the IPTV providers (SIS Group International);
- E2E-TV solutions (Ericsson);
- variable data personified printing units, enveloping and hybrid posting, billing systems (Xerox);
- terminal equipment, switches, routers (Huawei).



ORGANIZING COMMITTEE COMPOSITION

Mr. Nikolay PANTELEI – Minister of Communications and Informatization of the Republic of Belarus (Chairperson of the Organizing Committee)

Mr. Grigory BONDAREV – Director, Technics and Communications Closed Joint Stock Company (Deputy Chairperson of the Organizing Committee)

Mr. Oleg PROLESKOVSKIY – Minister of Information of the Republic of Belarus (Deputy Chairperson of the Organizing Committee)

Mr. Sergei ABLAMEIKO – Principal, Belarusian State University

Mr. Vladimir ANISCHENKO – Deputy Chairperson of the Board, Infopark Scientific Technological Association

Mr. Evgeniy ARTIUSHENKO – Chairperson, Standing Commission on Monetary Policy and Bank Business, House of Representatives of the National Assembly of the Republic of Belarus

Mr. Alexander BORISENKO – Deputy Chairperson, Minsk State Executive Committee

Mr. Mikhail BATURA – Principal, Belarusian State University of Informatics and Radioelectronics

Mr. Oleg VEREMEICHIK – Head of the General Directorate of Information Technologies, National Bank of the Republic of Belarus (Chairperson, Program Committee, Conference on Banking Technologies)

Mr. Igor VOITOV – Chairperson, State Committee on Science and Technologies of the Republic of Belarus

Mr. Sergei ENIN – Deputy Director, Technics and Communications ZAO; Executive Director, Information Society ROO

Mr. Alexander ZHUK – First Deputy Minister of Education of the Republic of Belarus

Mr. Sergei KAPARIKHA – Deputy Head, Operative Analytical Center under the President of the Republic of Belarus — Head of the Information Protection Directorate

Mr. Anatoliy MOROZEVICH – Principal, Management Academy under the President of the Republic of Belarus

Mr. Andrei NAREIKO – Chairperson of the Board, Belinfocom Association

Mr. Vladimir POPLAVSKIY – Executive Director, Cash Registers, Computer Systems and Retail Technology Equipment Association

ORGANIZING COMMITTEE COMPOSITION

Mr. Alexander PETROV – Principal Counselor, General Economy Directorate, President Administration of the Republic of Belarus

Mr. Ivan RACK – Deputy Minister of Communications and Informatization of the Republic of Belarus (Chairperson of the Program Committee, Conference on Telecommunications and Informatization)

Mr. Gennady SVIDERSKIY – Deputy Minister of Industry of the Republic of Belarus

Mr. Sergei SEMASHKO – Chairperson of the Standing Commission on Industry, Fuel and Energy Complex, Transport, Communications, and Entrepreneurship, House of Representatives of the National Assembly of the Republic of Belarus

Mr. Alexander SLOBODCHUK – Deputy Minister of Information of the Republic of Belarus (Chairperson of the Program Committee, TV and Multimedia Technologies Conference; Chairperson of the Board, Telecommunication Industry Union)

Mr. Alexander TUZIKOV – General Director, Cooperative Institute for Informatics Problems State Scientific Institution, National Academy of Sciences of Belarus

Mr. Andrei TOUR – Deputy Minister of Economy of the Republic of Belarus

Mr. Valery TSEPKALO – Director, High-Tech Park Administration State Institution

Mr. Felix CHERNIAVSKIY – Head of the Scientific Instructional Center, Association of the Belarusian Banks

April 26, 2011

OPENING CEREMONY

The TIBO-2011 exhibition officially opened at the Football Arena at 15:00.

The following authorities attended the opening ceremony: Mr. Nikolay PANTELEI, Chairperson, TIBO Organizing Committee, Minister of Communications and Informatization of the Republic of Belarus; Mr. Sergei MASKEVICH, Minister of Education of the Republic of Belarus; Mr. Alexander GURIANOV, Deputy Minister of Foreign Affairs of the Republic of Belarus; Mr. Sergei SEMASHKO, Chairperson of the Standing Commission on Industry, Fuel and Energy Complex, Transport, Communications, and Entrepreneurship, House of Representatives of the National Assembly of the Republic of Belarus; Mr. Aidas KAVALAUSKAS, Vice-President of the INFOBALT Association; Mr. Andrew HORNE, Vice-President of the Xerox Company, and other officials.

In his opening speech, Mr. Nikolay PANTELEI said: "Information technologies belong to the priority development industries, and the top management of the country pays close attention to them." The Minister also informed that a lot had been done during the previous five year period to develop information and communication technologies: "I have to admit that we've created the infrastructure that is capable of satisfying all demands of



the telecommunication market players in Belarus today."

Mr. Nikolay PANTELEI read the salutary address by Mr. Mikhail MYASNIKOVICH, Belarusian Prime Minister, to the participants of the Forum. "The TIBO International Specialized Exhibitions and Forums receive high deserved recognitions in the international business and scientific society, – the address said, – and those events are the example of efficient cooperation between the state government bodies, bank authorities, entrepreneurship, scientific and business communities." The visitors and the exhibitors were also addressed by the following authorities: Mr. Sergei MASKEVICH, Minister of Education of the Republic of Belarus; Mr. Aidas KAVALAUSKAS, Vice-President of the INFOBALT Association; Mr. Andrew HORNE, Vice-President of the Xerox Company.



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The right to open the exhibition was granted to the honorable guests of TIBO-2011: Mr. Nikolay PANTELEI, Mr. Sergei MASKEVICH, and Mr. Sergei SEMASHKO.

By tradition, Mr. Nikolay PANTELEI answered the questions of the Mass Media.



Mr. Sergei SEMASHKO

The specialized commissions of the House of Representatives of the National Assembly of the Republic of Belarus traditionally participate in organization and holding of the TIBO forums. The most topical problems of IT development of the republic, the status and perspectives of the government policy development in this field were discussed at the Forum. Due to participation of the parliament members in the Exhibition and in the Belarusian Congress on Information Society Technologies, it is possible to shape the IT-related legislation in the Republic of Belarus according to the demands of practical application of information and communication technologies for the purposes of social-economic development of the country.



OFFICIAL DELEGATION VISITING THE EXHIBITION

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The delegation headed by Mr. Nikolay PANTELEY, Minister of Communications and Informatization of the Republic of Belarus and other officials visited the stand of LM Ericsson International AB after official opening of the fair. Mr. Zvonko BICANIC, Head of the company's Representative Office in the Republic of Belarus, narrated about the leading solutions of his organization in such fields as health care (Mobile Health), TV (End-to-Endless TV), and safety & security provision (System 112).



Mr. Dmitriy SIDOROVICH, Head of the Representative Office of Nokia Siemens Networks in the Republic of Belarus, demonstrated the possibilities of the LTE technology, introduced new solutions of the company for the 3G+ Dual Carrier and Single RAN Advances common radio access networks, developments for the self-organizing network (SON), and the powerful GSM-R wireless communication platform for the railways built on the basis of GSM.



The management of SIS Group International demonstrated its equipment for the telecommunication and IT industries, for building automation, safety and security technical systems at its exhibition stand. Comtel ZAO (a part of SIS Group International) presented the first Belarusian ASCADA monitoring system.



The management of Velcom Foreign Enterprise presented the state-of-the-art trends of the telecommunication market in the field of mobile Internet and TV to the honorable guests. Satellite monitoring solutions were presented there, too.

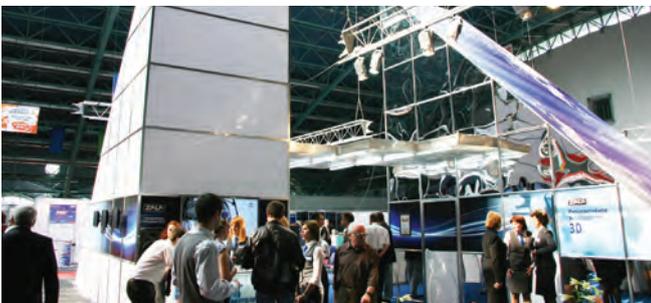


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Mr. Vladimir KARPOVICH, General Director of MTS COOO, reported about the leading solutions of that provider in the field of mobile data communications at the company's stand. He referred to the services based on the cloud computing technology, spoke about their developments in the field of mobile commerce and about the telemedicine technology.



Beltelecom RUP, the leading Belarusian telecommunications company, introduced its new services based on the IMS intellectual platform and the ZALA interactive TV. The company paid attention to using the IPTV platform as a payment terminal, too.



The guests of the exhibition could evaluate advantages of the newest TV technologies at the stand of Cosmos TV COOO: 3DTV and HDTV broadcasting.



Then, the official guests of the exhibition visited the stand of Belpochta RUP. The company's management presented the hybrid post and catalog retail services.



At the specialized stand of "Electronic Belarus", presented by the Institute of Application Software Systems Scientific Engineering Republican Unitary Enterprise, the core projects of the program were displayed, including the Nationwide Automated Information System, and the Common Portal of State e-Services.



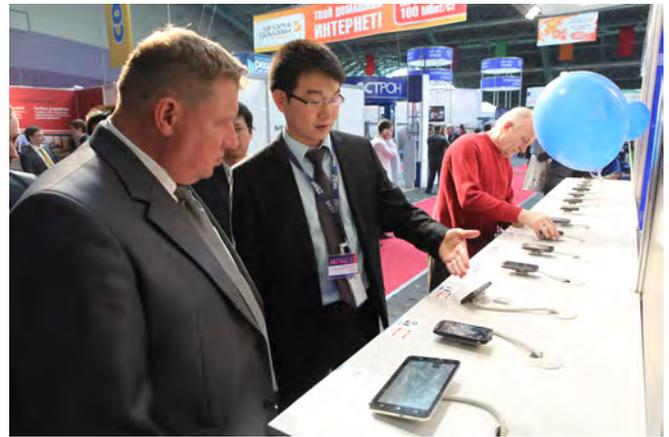
The guests could study the leading IT products and services from Lithuania at the collective stand of the INFOBALT Association representing 17 companies of Lithuania.



The newest developments of the scientists and industrialists of the country were presented at the collective stands of the Ministry of Industry of the Republic of Belarus and the National Academy of Sciences of Belarus.



The official delegation also visited the stands of the following companies: ZTE, Inspur, Svyazinvest OAO, Promsvyaz OAO, Belsvyazstroy OAO, Giprosvyaz OAO, MTIS OAO, Belnetexpert ZAO, and Belyi Terem ZAO.



Mr. Alexander SHVETS, Head of XEROX LIMITED Representative Office in Belarus, demonstrated the equipment providing fast high quality bulk printing.



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Mobilnyi Service OOO: the IP-telephony services in the communication provider networks.

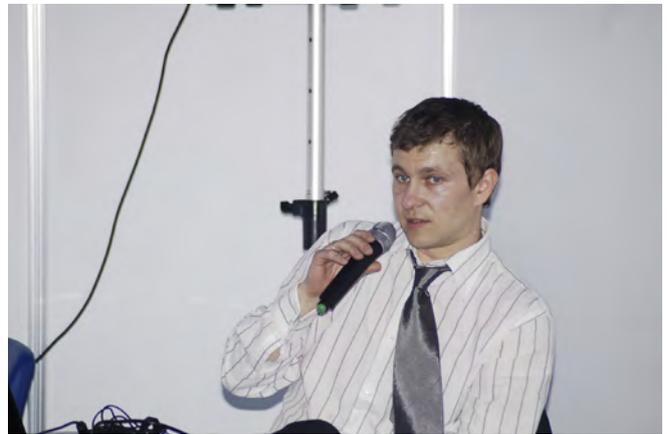


The representative of MFI Soft (the Russian partner of the Belarusian company) participated in the presentation (it operates under the ALOE Systems brand name outside Russia). The representative of ALOE Systems described the supplied solutions for IP-telephony in details. It was a complex based on the software platform operating as the 4th and 5th class soft switch, as the session border controller (SBC), and as the VAS (value added services) platform.

Cyphra OOO (Russia) presents the DRECrypt tentative access system

Selecting the tentative access system is a first step when moving to digital broadcasting. It is the factor to select compatible equipment of the head-end station and the subscribers' receivers. At TIBO, Cyphra OOO presented the Russian development called DRECrypt. The visitors could see the basic technical specifications of the system, and the homologation certificate.

DRECrypt is a hardware and software suite consisting of the set of industrial servers, specialized protective devices, software and auxiliary devices installed at the provider's main station. The product has been in operation since 2004, supporting over 7 million subscribers. The DRECrypt's optional features include supporting two and more providers with one smart-card, and application of the DVB-S,



DVB-C, and DVB-T standards. The technology makes it possible to use the following options: EPG, OTA, Funbox, TV-post, TV-chat, Infocas. Many of these features can be efficiently applied to alert its subscribers.



Belyi Terem: 3D printing technology from Z Corporation

3D printer is a device making dimensional physical objects from digital data. Just the way a usual printer prints documents, a 3D printer “prints” three-dimensional physical objects.



Mr. Dmitriy KARABA, Specialist of Belyi Terem, described peculiarities of the 3D printing technology developed by Z Corporation.

A three dimensional physical model is made layer by layer, transferring the concept in the



real physical model that can be touched. A 3D data file is imported to the 3D printer software application. After virtually slicing the image into the layers, the software uploads this information to the printer. In its turn, the printer distributes the

layer of powder and puts the binder on the current cross section of the model.

— The Z Corporation printers are the fastest on the market, – Mr. Dmitriy KARABA summarized. – Moreover, they are highly precise, easy to use, have inexpensive consumables and maintenance, capable of full color printing, and can print multiple products concurrently.

The Z Corporation technology is applied in medicine, education, architecture, industrial design, and other industries. Belyi Terem is the official distributor of the technology. The company has years of experience in procurement and maintenance of publishing and printing systems, and consumables.

Tibis ChTUP: the system for a modern language lab



Mr. Ivan LITENKO, Chief Developer, described the advantages of the modern computer class:

— The system offers multiple interactivity tools, – the specialist said. – Advantages of the common system for the language lab include individual studying of tutorials, fast recitation or trivia, presentation provided with the student’s answer.

The developers note the system has extensive features, it is easy to install, it has a comfortable user interface, and it can be upgraded via Internet. The program consists of the teacher and the student modules, and a multimedia player.

Belyi Terem: iCtP as a new technology to print forms

The newest development of Glunz&Jencen presented by Belyi Terem was the GtP device putting images directly on the offset plates by the ink-jet printing followed by baking. The equipment does not need any associated chemical agents. Once the PlateWriter (2000, 2400, 3000) digital processor is installed, neither the developing processor nor the flushing station, nor the burning device is necessary. The iPlate aluminum plates make the process happen.

— Thus, you can save up to 65 percent of the time, – Mr. Dmitriy MALASHENKO, Technical Director of Belyi Terem, summarized. – This technology has no expenditures related to chemistry disposal and preventive maintenance.



The iCtP technology can cope without auxiliary sections, utilities (sewage and ventilation), and it fits into conventional offices. Maximum warranty for the equipment is 24 months.



Nokia Siemens Networks: 3G+ dual carrier and innovative solutions based on LTE

Nokia Siemens Networks, the world leading equipment supplier, presented its newest solutions in the LTE, 3G +, Single RAN, SON and GSM-R technologies at TIBO-2011. One of the core elements of the exposition was the LTE features demonstration. The company presented such LTE features as the 3DHD streaming video broadcasting, HD videoconferencing, and real-time interoperability enabling synchronous multimedia data exchange via Internet. The stand also demonstrated the system modeling radio resource distribution in the LTE cell with the Quality-of-Service (QoS) option for various classes of subscribers.

“The Nokia Siemens Networks solutions presented at the fair prove technology leadership of our company on the market of equipment for mobile, wired, and converged networks, — Mr. Dmitriy SIDOROVICH, Director of Nokia Siemens Networks Belarus, said. — We are at the frontier of the technology infrastructure and software application development. Moreover, our offers really enable providers to grow competitiveness of their networks, and the users benefit from using quite a number of new advantages.”

To prove its reputation of being an innovating company, Nokia Siemens Networks demonstrated its vision of the “Machine-to-Machine Communication” and the “Internet of Things” concepts at the exhibition. Those concepts are the most perspective ones from the communication providers’ point of view. The company displayed evolution of the LTE/TD-LTE and LTE-Advanced technologies as well as its plans to develop those. Nokia Siemens Networks made one more presentation in cooperation with VELCOM. The partners offered solutions for the 3G+ dual carrier and the Single RAN Advanced networks. Those technologies are the further development of the common radio access network platform. Due to those solutions, providers can efficiently increase density in the GSM, 3G and LTE networks, and get them



ready for higher speeds promised by the LTE-Advanced standard.

The representatives of the mobile communication providers got especially interested in the SON (Self Organizing Networks) solution for the LTE networks. This proposal improves operational efficiency of the existing networks due to automated setting of connection transfer processes, balancing of mobile traffic load, and minimizing performance tests. One more technology — GSM-R (Railway) — is a powerful GSM-based wireless communication platform for railways. The Nokia Siemens Networks solutions based on the GSM-R provide high speed reliable communications to trains, train dispatchers, and other sites of the railway infrastructure as well as the technology opens up numerous opportunities to offer new services to train passengers.



Huawei: “Perspectives of the Belarusian telecommunications market in the eyes of the importer. Terminal equipment overview”

“The company exhibited its new generation Android smart phones at TIBO-2011: its entry level models with the 2.8” screen and a stylish 12 mm thin smart phone based on Android 2.3 with the 3.2” screen, — Mr. Alexei GROMAKOV, Marketing Director, Regional Representative Office in Russia & CIS, Huawei Device (Moscow), described the new products. — Moreover, we presented a new Mobile WiFi-SmartPro terminal: the 3G WiFi smart router. The router can trace the network type originating the downloaded content, and, correspondingly, switch the traffic and save the user’s money. A new thinner and more powerful pocket product was presented, too. The pocket product can playback HD video and transfer it to any peripheral.”



“We believe the Belarusian market is attractive and strategically important to Huawei. We have been working here for eight years already, and I think we will operate here for a very long time,” — said Mr. Xu ZHIDONG, General Director of Bel Huawei Technologies OOO.

First of all, Belarusian consumers know the broadband mobile Internet modems. Moreover, the Huawei gateways and ADSL modems are sold in Belarus as well as the videoconferencing equipment. The ADSL modems and fixed GSM terminals have partially localized manufacturing in Belarus: they are made at the Promsvyaz enterprise.

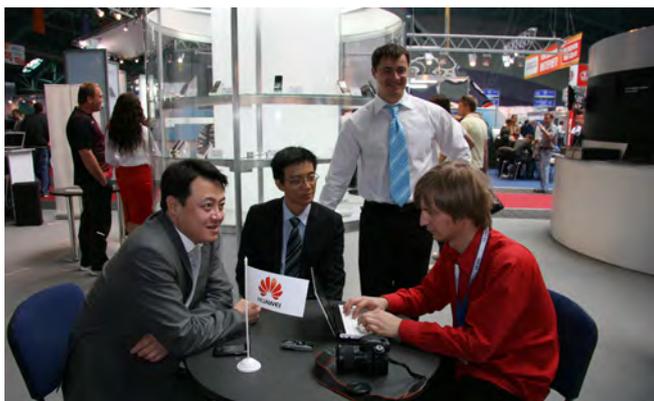


Huawei Technologies, the global leader of telecommunication solutions for the next generation communication networks, organized its press conference at TIBO-2011 to present global success story of the corporation to the journalists. The vendor cooperates with 45 out of 50 largest mobile providers on the globe. The number of their subscribers exceeds a billion.

The U8230 model has become the most popular one. It was basically the first Huawei smart phone to enter the Belarusian market. Over 32 thousand pieces of the model have been sold. The U8500 model has become a hit, however, a bit less successful. Every communication provider will get its own hit model in the coming year.

Mr. Wan PEN, Terminal Equipment Sales Director (Belarus and Ukraine), Huawei:

— *The exhibition impression is great! I believe our participation is very successful. We continue our operations in Belarus. We exhibited our new terminal equipment at TIBO-2011. Huawei has not focused itself on finding new partners (we have already been cooperating with the core companies), but rather on cooperation with the consumers.*



Ericsson: “Mobile Health” and “112 Systems”

The world famous Ericsson prepared to present solutions for the health care, safety, and security industries. Mr. Zvonko BICANIC, Head of the Representative Office of LM Ericsson International AB, described the “Mobile Health” project: “Our “Mobile Health” solution implemented in Belarus together with MTS COOO is presented at TIBO on the stands of the both companies. The solution has been made under the umbrella of the Ericsson’s program “50 billion connections useful to the individual” to be implemented by 2020. Who this project is focused on? For example, the program focuses on chronic patients or those who had recent surgery. A sensor device or a control sensor is kept by the patient to gather information and send it to the communicator with a regular SIM-card via the Bluetooth channel. The data

goes to the medical institution server through the GPRS, 3G and LTE channels for the doctor to monitor the measured data on the screen of his/her computer and control the patient. Our communicator basically operates as a telephone, but it transmits only data. We prepare new developments: a more sophisticated utilization of the measured data. Because in addition to

the data received, it is also possible to question the patients.”

«Moreover, at TIBO, Ericsson presented its vision of implementing the “112 common emergency call number.” “The Ericsson solution makes the life in the country happier, — said Mr. Andrei CHISTOV, Manager, Ericsson. — We have 26 years’ operation experience of using the 112 systems, and the fifth generation of the systems is offered to the market already. Our system can trace any events, crowd gathering, unusual human behavior; it can recognize faces and do many other things. It is important that time is saved when it is the most valuable resource. One minute of every million inhabitants saves up to 100 million euro.”



Mr. Zvonko BICANIC

Ericsson has been participating in the TIBO exhibitions since their very beginning in 1994! Ericsson has considered TIBO for the last 18 years as a characterful showcase to present its telecommunication products (wired and wireless), transmission systems (wired and radio relay), broadband access systems, Internet and TV, and mobile health care solutions. Precisely the TIBO exhibitions have made it possible to get the Ericsson’s name and image closer to the citizens of the Republic of Belarus, and enabled all fair visitors to see what technologies, solutions and support have been provided by Ericsson to its clients both in the territory of the Republic of Belarus and globally.

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OFFICIAL CHRONICLE

The following officials studied the TIBO-2011 exposition:

The Generalship of the Security Council of the Republic of Belarus:

Mr. Leonid MALTSEV, State Secretary of the Security Council of the Republic of Belarus,

Mr. Stanislav ZAS, Deputy State Secretary of the Security Council of the Republic of Belarus.



Mr. Victor LUKASHENKO, National Security Assistant to the President of the Republic of Belarus, Security Council Member.



Mr. Anatoliy RUBINOV, Chairperson of the Council of the Republic of the National Assembly of the Republic of Belarus.



Management of the Operative Analytical Center under the President of the Republic of Belarus: Mr. Valery VAKULCHIK, Head of the Operative Analytical Center under the President of the Republic of Belarus, and Mr. Sergei KAPARIKHA, Deputy Head of the Operative Analytical Center under the President of the Republic of Belarus and Head of the Information Protection Directorate. State power representatives visited the stands of the leading national and foreign companies. They focused on the newest developments produced by the local manufacturing facilities.



April 27, 2011

The ceremony of signing the Memorandum on Cooperation in the Field of Information Technologies between the Ministry of Communications and Informatization of the Republic of Belarus and the Ministry of Transport and Communications of the Republic of Lithuania



Mr. Nikolay STRUKOV, Deputy Minister of Communications and Informatization of the Republic of Belarus, and Mr. Rimvidas VASHTAKAS, Vice-Minister of Transport and Communications of the Republic of Lithuania, signed the document. The Memorandum had been formulated considering both countries' willingness to increase private investments, encourage establishment of joint ventures, protect mutual interests, and ensure technological development and trade in the IT industry.

Cooperation in the information technology field will include the following issues and activities:

- developing of the information society;
- promoting interstate electronic data exchange (including application of the digital signature mechanisms);
- promoting cooperation development between the companies operating in the IT industry;
- promoting experience exchange in the IT industry;
- exchanging experts and specialists;
- encouraging companies' investments to be put into information technologies;
- e-Government;
- creating and developing the state-run electronic information resources;



- IT penetration into the social sphere, education, and health care.

The parties will assist cooperation development by undertaking the following:

- develop and improve information systems, exchange information on the issues of formation and implementation of the state policy in this field (including legislative acts and technical documents);
- attract investments to finance mutual projects;
- specialists exchange and organization of conferences, exhibitions, seminars, panel discussions, and other workshop venues;
- other forms of mutually beneficial cooperation.



THE 18TH BELARUSIAN CONGRESS ON THE INFORMATION SOCIETY TECHNOLOGIES

The 18th Belarusian Congress on the Information Society Technologies was held within the framework of the TIBO-2011 exhibition on April 27 through to April 29, 2011. The Congress became the biggest for the last 18 years to prove that the subject matter of the Congress was topical for a wide range of executives and specialists from various industries. There were 15 events, including plenary meetings and breakout sessions, conferences, seminars,

and panel discussions. The participants of the meetings discussed the results of the IT developments of the country achieved within the last five years and plans for 2011-2015.

About 800 specialists representing 368 companies from 12 countries participated in the Congress (Belarus, Russia, Ukraine, Lithuania, Latvia, Germany, Switzerland, Sweden, France, UK, Japan, and the USA).

April 27, 2011

Plenary Session: To become the Top-30 leading country in the IT field



The target of the Congress Plenary Session was for the community of the interested specialists to discuss the main strategic development trends of the information society in the Republic of Belarus and to exchange international experience. The Plenary Session, involving about two hundred representatives of the state-run public authorities, scientific and educational institutions, enterprises and organizations of various property titles, was held at the Congress Hall of the Business Center at the Victoria Hotel Complex.

“We have ambitious goals for the next five year period: to raise our position in the European countries’ rating according to the evaluation systems of the International Telecommunication Union and the United Nations Organization by 2015, and, in particular, to become the Top-30 leading country of the world,” — Mr. Nikolay PANTELEI, Minister of Communications and Informatization of the Republic of Belarus, Chairperson of the TIBO Forum Organizing

Committee, said in his main speech. He also noted that the process of developing the draft of the “National Program of Accelerated Services Development in the Field of Information and Communication Technologies for 2011-2015” had become the example of fruitful cooperation between the state and the representatives of the business community. The primary objective of the National Program is to create conditions for accelerated services development in the field of information and communication technologies assisting development of the information society on an innovation basis and improving quality and efficiency of information relations between the population, business and state (plus formation of the e-services state system).



Mr. Nikolay PANTELEI

April 27, 2011

Mr. Andrew HORNE



The National Program consists of nine subprograms corresponding to the priority development directions of the information society. They are: “The National Information and Communication Infrastructure”, “Development of Export Oriented IT Industry”, “e-Government”, “e-Healthcare”, “e-Employment and Social

Protection”, “e-Education and Human Capital Assets Development”, “The National Content Formation”, “e-Customs”, “Information and Communication Technologies Security and e-Trust”.

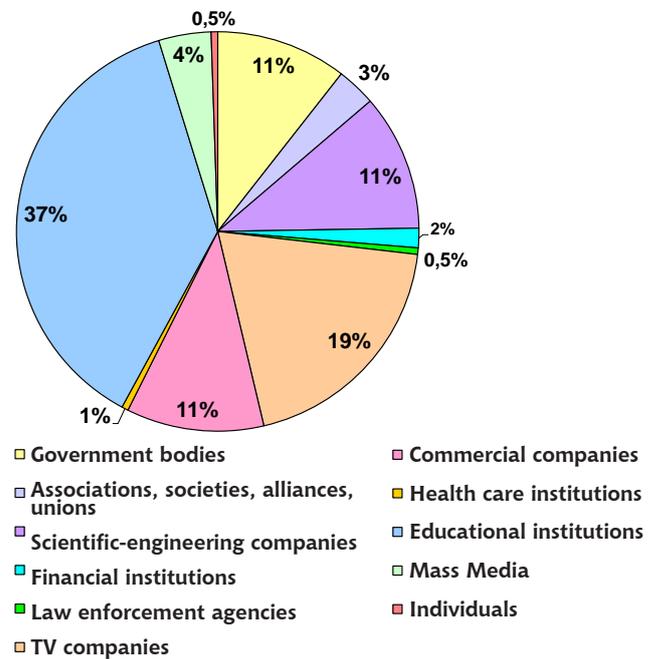
The following officials made their reports at the Plenary Session: Mr. Alexander SLOBODCHUK, Deputy Minister of Information of the Republic of Belarus, Mr. Rimvidas VASHTAKAS, Deputy Minister of Transport and Communications of the Republic of Lithuania, Mr. Igor VOITOV, Chairperson of the State Committee on Science and Technologies of the Republic of Belarus, Mr. Valery TSEPKALO, Director of the High Tech Park State Institution, Mr. Artiom VASILIEV, Deputy General Director (Commercial Matters) of MTS COOO, Mr. Zvonko BICANIC, Head of the Representative Office of LM Ericsson International AB in Belarus, Mr. Alexei SHASHKOV, Department Director of the Russian Representative Office of NEC, Mr. Yuri KHOKHLOV, Chairperson of the Board of the Information Society Development Institution and Deputy Head of the Expert Advisory Group of the Council on Information Society



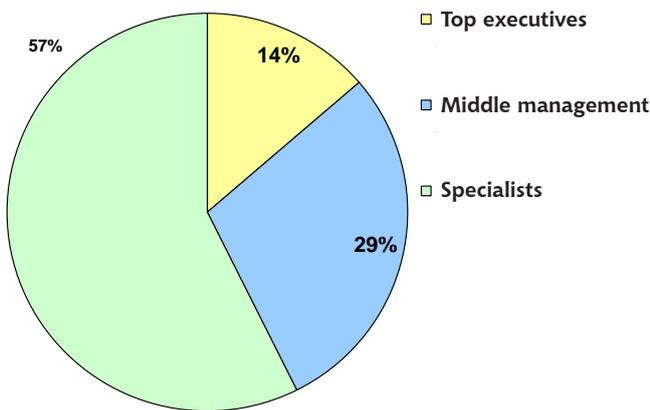
Development at the President of the Russian Federation, and Mr. (Prof) Yanis BICHEVSKIS, Director of the Computers Department at the Latvian University.

The thematic events of the Congress were devoted to analyzing the core activities of the "National Program of Accelerated Services Development in the Field of Information and Communication technologies for 2011-2015" and to the topical development trends of the information society in the Republic of Belarus.

Composition of the registered participants by their industries:



Composition of the registered participants by their company positions:



International Workshop Conference: "TV and Multimedia Technologies"

The International Workshop Conference "TV and Multimedia Technologies" (TMT) was organized under the auspices of the Ministry of Information of the Republic of Belarus, the Ministry of Communications and Informatization of the Republic of Belarus, the Ministry of Culture of the Republic of Belarus, the Minsk City Executive Committee, and the HD Union TV Association (Russia). The goal of the TMT Conference was further development of the technology base of the Belarusian TV and radio broadcasting and movie production, development of the national content production, and development of the media services market. The participants of the event acknowledged a high level of the TV and multimedia technologies in Belarus. In particular, Belarus has the widest digital TV broadcasting coverage among the CIS countries,

and it plans to be the first to decommission analogue TV broadcasting in 2015. The IPTV project called "ZALA" has had a high rise: 300 thousand subscribers have been connected in less than two years (since September 15, 2009). The Video-on-Demand (VoD) projects are getting ready to run over Internet.

The Conference hosted the Plenary Session, the Breakout Session, and the Panel Discussion titled "Legislative developments in the field of licensing and copyright protection."

PLENARY SESSION

The following officials read their reports at the TMT Plenary Session: Mr. Ivan RACK, First Deputy Minister of Communications and Informatization of the Republic of Belarus, Mr. Mark KRIVOSHEEV, Chief Research Scientist

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of the R&D Radio Institution Federal State Unitary Enterprise, Mr. Oleg SILVANOVIICH, Director of the Cinematography Department of the Ministry of Culture of the Republic of Belarus, Mr. Gerasim GADIYAN, President of the HD Union Association, Mr. Zvonko BICANIC, Head of the Representative Office of LM Ericsson International AB in Belarus, Mr. Andrei SOBOROV, Deputy General Director (Commercial Matters) of Beltelecom RUP, Mr. Andrei VASSILENKO, Head of the AVFILM Artistic Association, Mr. Dmitriy VOROPAEV, Deputy Director (IT) of MaxPress-Continent.



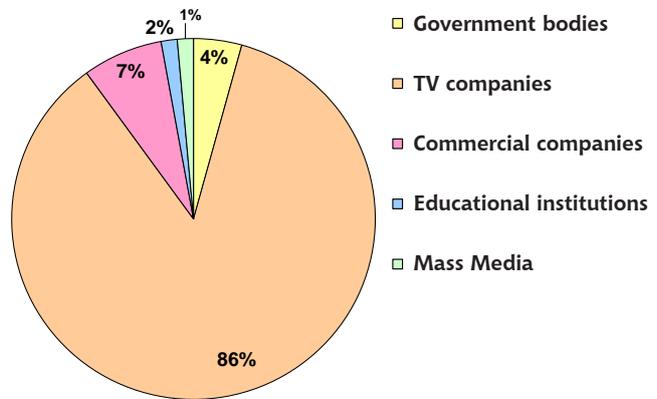
The following major industry development trends until 2015 and thereafter were identified according to the results of the “TV and Multimedia Technologies” International Workshop Conference:

- rampant development of the OTT (over-the-top) services, including, first of all, Internet-TV broadcasting both in the SD and HD, and 3D formats;
- considerable satellite capacity increase due to the Ka-band application;
- development of the 3DTV broadcasting and 3D video viewing through Internet due to dynamic broadband access development and market growth of the 3D TV-sets with the Internet access feature (the Smart product line from Samsung);
- the interactive Internet TV broadcasting enabling communication with the audience in the real-time mode through text and video chats (TV-webinars);
- creation and application of the comfortable mobile movie theaters (movie trucks) to

show digital movies in the 2D/3D formats, and to display TV programs in the HD, 2D/3D formats (which is especially topical on the eve of the 2014 Olympic Games);

- transformation of the digital movie theaters into the media theaters resulting from convergence of the movie, TV and Internet technologies.

Composition of the registered participants by their industries:



The main development perspectives of the TV broadcasting after 2015 are as follows:

- conversion to the HDTV (1080c, 720p) and 3DTV broadcasting in all media including Internet;
- further integration development of the TV broadcasting and new information technologies;
- development of the 2D/3D Interactive Multifunctional Video Information Systems (VIS);
- initial implementation of the holographic TV services;



- sustainable development of the corresponding educational base, in particular, distant learning and refresher courses due to acceleration of multimedia technologies and TV upgrades.

This expected development of the TV and multimedia technologies will not only lead to dynamic development of the telecommunication industry, but it will also keep culture, traditions and distinctiveness of the Belarusian nation while it is integrated into the global information space.

International Workshop Conference: “Modern Automated Identification and e-Business Technologies. Status and Development Perspectives”. ID COMPETENCE 2011

The subject of the conference had been proposed for reports and discussions in Russian language in the territory of the ex-USSR countries for the first time. The event was organized by the Identification Systems Center of the National Academy of Sciences of the Republic of Belarus with the assistance of the TIBO-2011



Organizing Committee. The reports were made by the representatives of the leading Belarusian academic and research organizations in the field of automated identification technologies and e-business, and by the representatives of some foreign companies, including the following authorities: Mr. S.I. Kuzmin, UN/CEFACT Representative (Geneva, Switzerland), Mr. V.U. Korostev, Head of the Gruppya Morskoy Express Project (Moscow, Russia), Mr. A.L. Gladyshev, Head of Quantum International (Kiev, Ukraine), and others.

Managers of the IT divisions, specialists in the field of development, implementation and maintenance of the automated identification and e-business systems, representatives of academic-research and research-and-practice

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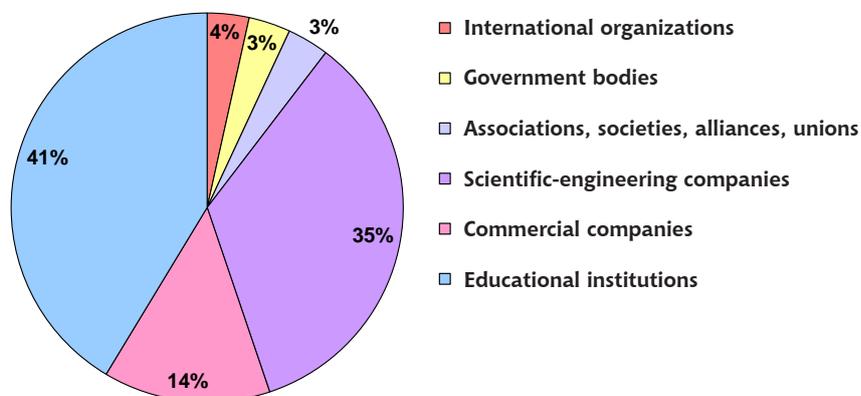
organizations, representatives of the interested ministries, companies and organizations of various ownership types were invited to visit the Conference.

At the Panel Discussion, the participants of the Conference noted high actuality and importance of the discussions of that topic. It was also recommended to organize the ID COMPETENCE International Workshop Conference on an annual basis. The Conference materials have been prepared for printing. They will be available to the interested persons and organizations both on paper and on digital carrier mediums.



В. И. Дравица

Composition of the registered participants by their industries:



International Workshop Conference: “Modern Retail and Services Technologies”. TorgInfo



В. Е. Маргелов

Mr. Victor MARGELOV, Co-Chairperson of the Republican Entrepreneurial Confederation, devoted his report to the trade liberalization matter carried out in line with the Directive #4 of the President of the Republic of Belarus, and that predetermined the context of the meeting. Mr. Victor MARGELOV described the main market trends and focused on the essential condition in that field: to apply information technologies.

The “Modern Retail and Services Technologies” Conference at the TIBO Forum has been organized upon the initiative of the Ministry of Trade of the Republic of Belarus since 2006. In 2011, the Conference was held due to the active assistance of the Cash Registers, Computer Systems and Retail Technology Equipment Association and the Republican Entrepreneurial Confederation.

— The market expects big foreign retail networks to come. If local companies do not learn how to work according to the modern standards, they will hardly manage to compete with the newcomers, — said Mr. Vladimir SIROTKO, Chairperson of the Board of the Cash Registers, Computer Systems and Retail Technology Equipment Association.

Mr. Sergei TUMEL, Director of Sovremennye Technologii Torgovli OOO, described implementation of the EDI-technologies (B2B) in the Belarusian retail. It is expected that the universal data processing and exchange environment established between business partners will increase the turnover of commodities. The company believes this will happen if the market of potential suppliers will be broadened, the process of trade partners' selection will be automatized, and manual data input errors will be reduced to zero. "Due to the processing time, the "B2B TOP.by information system" can save up to 70 percent of the working time of the personnel. Costs related to the assigned computer equipment and materials can be cut by up to 80 percent," — the company said. At that, the company guarantees the EDI message exchange will be secure.

Mr. Vladimir POPLAVSKI, Design Manager of one of the projects of the National Academy of Sciences of Belarus, made his review presentation about cash registers and specialized computer systems. The report described the manufacturers operating on the market and their proposals regarding the devices that were irreplaceable for the retail industry. Mr. Evgeniy

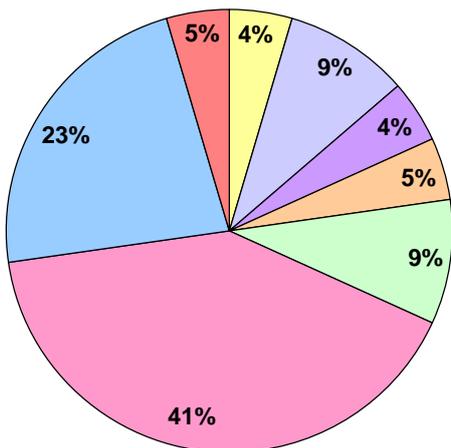
LAPSHIN, Head of the Commercial Department of BelCrystalService OOO, finalized the Conference by telling the audience about the "Set: Retail 10", "Set: Centrum" and the "Set: Prizma Predict" technologies. "Set: Retail 10" is a modular solution managing all specialized equipment in the salesroom (post-terminals, thermal printers, scales).

— At the heart of the system is the technological process and type assignment of the goods, and the modules go on top of them. Every product type "hauls" visualization, — Mr. Evgeniy LAPSHIN explains. — It is easy and laconic.

In the end, Mr. Evgeniy LAPSHIN narrated about technological possibilities in the field of the cash register operation control.



Mr. Sergei TUMEL



Composition of the registered participants by their industries:

- Government bodies
- Associations, societies, alliances, unions
- Scientific-engineering companies
- Financial institutions
- Trade and retail companies
- Commercial companies
- Educational institutions
- Registered entrepreneurs

AerocomBel discusses the “Safe City” idea with the interested entities



At TIBO-2011, AerocomBel organized the workshop seminar titled “The Safe City: city video, ways and methods to build systems. Development strategy. International experience.” The topic of the seminar becomes more and more relevant. Russia is already implementing such projects, but Belarus has not started yet. To discuss the issue, AerocomBel invited the law enforcement agencies (the specialists from the Ministry of Defense of the Republic of Belarus, the Ministry

of Internal Affairs of the Republic of Belarus, the Guardianship Department), the representatives of the academic community, and the employees of the local and foreign companies capable to offer new developments in the field.

During the day, the specialists discussed topical issues of creating the common information and analytical center to gather and process data, and make security decisions. The specialists discussed how to increase efficiency of the information protection systems by applying the risk evaluation methods, and how to secure critical sites. There were many questions about solutions for the fast deploying mobile video surveillance systems. The participants of the event also enjoyed the reports on modern approaches to organize the personal control systems (based on the X-ray scanning) and about organizing the terrorist attack warning systems (based on the CONSIG-DELTA complex). The Seminar attendants discussed the Belarusian market development trends of the security systems.

MPOVT OAO presents the communication networks building structure, its monitoring and administrating system

At TIBO, MPOVT OAO made its presentation titled “Network building structure of the operational communication system for the Belarusian Railway. Communication network monitoring and administrating system of the Belarusian Railway.” The company presented its equipment for the fiber optic passive networks: the BETA M family, technical climatic racks, main switching and distribution equipment, a computer class, and an ATM machine.

The complexes of the operational communication systems are designed to build communication systems both in digital and digital-analogue networks. The main purpose of the complex is to organize all types of operational communications necessary for proper operation of any establishment applying dispatching communications. The complex is primarily targeted to the railway transport, but it can also be used in the industrial communication networks, inland water transport,

motor transport, pipelines, gas pipelines, energy systems, large industrial enterprises and organizations with the dispatching management systems. Operational communication systems differ from other systems due to their peculiar feature: they can independently use digital data communication systems and make the group digital and analogue communication channels (specific for the railways) that are necessary to build networks on the existing switches or digital switching stations.



XEROX presents the ColorPress 1000 full color high speed unit

The XEROX stand at TIBO was deployed by XEROX Corporation and its Belarusian partners: ByPrint-Service (main distributor), Agentstvo Novych Technologiy, Delo (new distributor of printing materials and consumables), and Office-Technica (promoter of technical solutions and units for post-printing processing).



XEROX presented its new product: the ColorPress 1000 full-color high speed industrial unit that had been put into production only half a year before. It had been sold to Polycraft, a large printing plant. A high speed monochrome printing system was presented there, too. These solutions are focused on fast high quality bulk printing.



**Mr. Alexander SHVETS,
Head of the Representative Office, XEROX:**

The goal of the TIBO Forum is to assist the widest and the most efficient application of the information and communication technologies for the social-economic development of the Republic of Belarus. To complete this sophisticated task, the Organizers have managed to unite the efforts of the state administrative bodies responsible for development and regulation of the telecommunications market, systems of mass communications and Internet, resources of big international corporations procuring the newest technological solutions to the Belarusian market, efforts of the local companies, developers and suppliers of the IT solutions and services, and efforts of the scientific and educational institutions.

In the course of the years, the event has shaped the range of permanent exhibitors that form a unique professional club of people united by common understanding of the targets and goals of the Forum. As an international corporation, XEROX reviews participation in the Forum as an opportunity to create demand for its high-tech solutions and promote its products to the Belarusian market. Enormous popularity of the Forum both among professional visitors and ordinary people assists our sales and extends the company's client base. XEROX participated in the TIBO-2011 Forum despite economic grievances, seeing the Forum as the means to bridge over crisis developments and open new operational opportunities in the Belarusian market.

ZTE: years worked on five continents

ZTE Transnational Corporation, headquartered in China, is one of the world leading manufacturers of telecommunication equipment and suppliers of network solutions. The company develops and produces telecommunication equipment for public telephone networks (PSTN), mobile communications, data networks, distant optical communication equipment, intelligent networks (IN), and the NGN, 3G, and WiMAX networks of next generations.



ZTE has been operating in Belarus for almost five years, actively cooperating with the leading telecommunication providers of the country. ZTE Corporation regularly procures phone sets and modems for the CDMA, GSM, UMTS networks, the ADSL, WLL, STB networking and subscriber equipment, the IPTV solutions for the national communications provider, equipment for the MetroEthernet networks, base stations, mobile communication controllers for the providers. The corporation presented the range of its budget models (Android OS) at its fair stand.



Inspur



The products of Inspur (China), one of the leaders of the Chinese IT market, were presented at TIBO for the first time. Inspur is the manufacturer of specialized equipment and software applications (ERP-systems, applications for customs offices).

The representatives of Inspur noted that the company planned to open its office in Belarus in late 2011. The Chinese specialists believe our country will require the Inspur high-class storage systems and servers. Their price will be about 20 percent lower than the brand-name competitors. Moreover, Inspur plans to negotiate with the local companies to localize its LED manufacturing in Belarus.



INFOBALT, Association of Lithuanian companies

17 Lithuanian companies, members of the INFOBALT Association, participated in TIBO-2011. One could see the IT products and services made in Lithuania and talk to the experts at the stand of the Association. INFOBALT also became the co-organizer of the workshop titled “IT cooperation possibilities between Lithuania and Belarus.” The workshop presented Lithuanian experience of creating the state-of-the-art products and services.



The following IT and communication companies (transport, energy, resource management fields) participated in the exhibition: LEXNET UAB, Metasite Business Solutions UAB, HMIT-BALTIC UAB, INTA UAB, IRTC UAB, Baltijos Informacines Sistemose UAB, Algoritmq Sistemose UAB, Sekasoft UAB, Blue Bridge UAB, PRALO UAB, Forbis UAB, EVP International UAB, ERP UAB, BOD Group UAB, BAIP UAB, Baltic Orbis UAB, and CID Baltic UAB. In general, the INFOBALT Association includes 120 companies and R&D institutions.



Mr. Vitkauskas VITAUTAS, Vice-President, INFOBALT Association:

Located in the central part of Eastern Europe, at the crossing of the major transport corridors, both Republic of Belarus and its closest neighbor Republic of Lithuania have a perfect opportunity to develop IT projects that can be used to regulate transport and logistics flows by mastering information technologies. TIBO is a great event: thanks to it, the specialists from various industries have a chance to find business partners for their future projects. International transport infrastructure services shall develop globally. At that, however, every country should have its stable business contacts established between the partners. This is the essential factor of success. TIBO offers a possibility to exchange experience about the most successful implemented projects. This is great that the Republic of Lithuania has been presented by the INFOBALT IT Association at TIBO this year. The Conference organized under the umbrella of the Exhibition, provided an additional opportunity to share the results of the most successful IT projects implemented by the Lithuanian specialists in cooperation with their Belarusian and foreign partners.

Beltelecom RUP introduces the IMS intellectual platform



Beltelecom RUP actively participated in the Forum. The stand of the company was one of the most outstanding at TIBO-2011. The exposition had a few areas to demonstrate and test new services. The enterprise not only offered its services but also discussed the future of information technologies at the Congress, and organized seminars for the visitors of the fair.

Mr. Andrei SOBOROV, Deputy General Director (Commercial Matters), described the company's exclusive proposals presented at TIBO: "This year, Beltelecom offered really exclusive things to the visitors of our stand: the most contemporary things found in the world of telecommunications. First, it was the project that we have started implementing earlier this year: "A window to every apartment." The project ensures data transfer at speeds of 100 Mbit/s

through to 1Gb/s. Second, Beltelecom has offered all services related to implementation of the new technologies. This is the telephone, Internet and TV, all in one. Moreover, we've presented the features of the IMS intellectual platform that we start launching in Minsk and all regional centers this year. And, correspondingly, we have shown all services available due to this intellectual platform: video calls, SIP-managers, interactive services featured by the ordinary home telephone station, etc. Under promotion



of the ZALA service (interactive TV) we've offered our auxiliary services to the subscribers: the first ever interactive 3DTV in Belarus and the TV screen simplified Internet access via its remote control. One of the innovative solutions implemented on the IPTV platform is the possibility to use it as a payment terminal to pay for various services. In other words, a TV-set today is not only the means to see pictures, but a full-featured self-service terminal. Moreover, we have offered the hybrid packages including various services to our private clients at the exhibition. These discounted packages include both voice and data services, including Internet and TV."





Mr. Sergei POPKOV, General Director, Beltelecom RUP:

Beltelecom (the national telecommunication provider of the Republic of Belarus) has been a constant participant of TIBO, which is the main telecommunications Forum of the country, since the moment of its establishment (1995).

This international exhibition annually presents international and national achievements in the field of communications, telecommunications, software, bank technologies, office equipment, and consumer electronics.

For all these years of the Forum, Beltelecom has been presenting many technologies and modern services including videoconferencing, ISDN, high speed Internet access via ADSL, multiservice networks, digital interactive IPTV, etc.

The TIBO Forum is a great opportunity to meet your customers and partners, present your achievements and adopt experience of your colleagues, find partners and clients. To have a keen sense of the pulse in the telecommunications industry means to be competitive both locally and internationally.

Beltelecom considers it is important to participate in the TIBO exhibition to develop its own business. We plan to continue using this Forum to promote innovative services both to the Belarusian and foreign markets.

Belpochta RUP

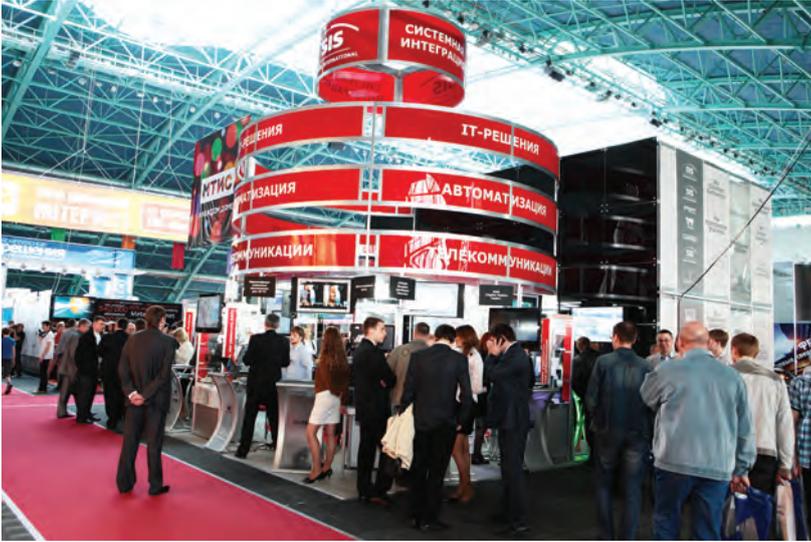
Ms. Katerina SAMETS, Process Engineer of Belpochta RUP, described the “Hybrid Post”, a new service offered to legal entities: “A legal entity gives us their data and the address client base, and we completely prepare their postal items for posting: we print, envelope, and mail them as mailing pieces. Thus, we “record” digital information on a physical carrier medium. Once required by the legal entity, we put its logo on the envelopes for better recognizability. There are many big companies using this service already.”

One more novelty of the year is an Internet shop. “A legal entity can put information about its product in our Internet shop and in the paper catalogs distributed across the network of our



post offices. The post office visitor studies the catalog, and orders the products either through our website or at the service outlet. We notify the manufacturer, and the vendor prepares the shipment and gives it to us for mailing on the cash-on-delivery terms, — clarifies Ms. Katerina SAMETS. — About 5 thousand people have used the service already.”

SIS Group International



SIS Group International includes 23 partner companies. Their offices are located in Belarus, Russia, Ukraine, Germany, Moldova, Georgia, and Kazakhstan. The SIS branches are established in all regional centers of Belarus. The group of the companies has its own manufacturing facility: it is the most powerful surface mounting line in Belarus.

SIS is the manufacturer and supplier of software and equipment, and it is specialized in system integration in the telecommunications, automation, and IT industries. One could see the SIS product range and the elements of the management and security systems, and the products manufactured: from cash registers to public address systems, and from IPTV and terrestrial TV set-top boxes to online site monitoring systems. It is important that the companies of the SIS Group are not only manufacturers, but exporters, too. SIS Group International is experienced in successful cooperation with their customers from Sweden, Denmark, Saudi Arabia, New Zealand, and other countries.

The partners of SIS

Group International are the world leading developers and manufacturers of equipment for the industries of telecommunications and information technologies, technical means of building automation and security. In particular, those partners are Siemens, Sagem, and Fujitsu.

Comtel ZAO, member of the Group, presented a new version of ASCADA, the first Belarusian monitoring system enabling remote online monitoring of the sites distributed across the entire country from a single automated working station. ASCADA provides complex automation of the water, electricity, centralized heating, and security processes. The GSM modem is used as the data communication channel. The SMS messages are used to signal in contingency cases. ASCADA is advantageous due to flexibility and scalability: the equipment installed at one site can be used to automatize other sites. The system is secured by the multilevel unauthorized access protection, and office premises have video surveillance.

SIS Group International welcomed new developers to join its team right there at TIBO.



SVYAZINVEST

Svyazinvest (one of the largest developers, manufacturers and suppliers of telecommunication equipment in the CIS countries) presented its new in-house produced telecommunication products and equipment from its numerous partners at TIBO-2011. There are over one and a half thousand automatic telephone exchanges of the F50\1000\F/ FM series developed by Svyazinvest and operated in the telecommunication networks of Belarus, Russia, and Ukraine. Total density of the working F50\1000\F/ FM exchanges is over 1 500 000 ports. Thus, every fourth subscriber of

the Belarusian telephone network is the user of the F50\1000\F/ FM automatic telephone exchange.

The company has mastered production of the following products, and today it procures such devices of in-house manufacturing as the SP power units, the OKK cross switching equipment, the BCKK compression transition joints, the ATCE FMC special automated telephone exchanges, the ATCE FMM mobile automated telephone exchanges, the MPZ multiplexers. Apart from these products, Svyazinvest has started offering the products from the famous manufacturers according to its new development strategy: Eltek Valere (Norway; high and medium telecommunication power supply systems), Hoppecke, Delta and AkTex (batteries), Inmesol (Spain; diesel generator units), 3M (USA; cross-connection equipment and communication line installation materials), Nateks (Russia; digital fiber optic and copper transmission systems), Supertel (Russia; multiplexing equipment), Commeng (Russia; copper communication lines protective equipment).

The Ministry of Communications and Informatization of the Republic of Belarus presents the Common Portal of the State e-Services

The Ministry of Communications and Informatization of the Republic of Belarus presented the main results of implementation of the ““Electronic Belarus” State Program of Informatization for 2003-2005 and until 2010.” Presentations of the automated information systems of the following state bodies were organized at the specialized stand of the “Electronic Belarus,” presented by the Institute of Application Software Systems Scientific Engineering Republican Unitary Enterprise: the Ministry of Justice of the Republic of Belarus, the State Customs Committee of the Republic of Belarus, the Ministry of Health Care of the Republic of Belarus, the Management Academy under the President of the Republic of Belarus, the Minsk State Executive Committee, as well as the National Automated Information System, and the Common Portal of the State e-Services, all of which have been made within the

framework of the program.

The following state officials, who saw the stand during their visit to TIBO-2011, thought highly of the presented materials: Mr. Leonid MALTSEV, State Secretary of the Security Council of the Republic of Belarus, Mr. Anatoliy RUBINOV, First Deputy Head of the President Administration of the Republic of Belarus, Mr. Victor LUKASHENKO, National Security Assistant to the President of the Republic of Belarus, Mr. Valery VAKULCHIK, Head of the Operative Analytical Center under the President of the Republic of Belarus.



MTS at TIBO-2011: mobile data communication solutions

At TIBO-2011, MTS, the biggest Belarusian mobile communications provider, presented a number of solutions that were unique for the Belarusian market in the field of mobile data communications. The solutions include services implemented on the basis of the cloud computing technology together with NEC Corporation (Japan), and the “MobileHealth” pilot project developed in cooperation with Ericsson (Sweden).



“High speed Internet access becomes the key development factor for the global mobile communications market, — said Mr. Vladimir KARPOVICH, General Director, Mobile TeleSystems (MTS) COOO. — Proving its reputation of the innovative company, today MTS offers its subscribers a range of solutions in the field of mobile data communications, many of which are unique for the country. By implementing the state-of-the-art technologies, we continue boosting national telecommunications to high positions, create workplaces, and put efforts to shape the cluster model of the Belarusian economy. At that, the company is open for partnership for the purpose of achieving the common strategic goal: to improve people’s quality of life.”

Implementation of the cloud services will help cutting the IT expenditures and optimize

corporate business processes in Belarus. Other peculiar advantages of the new user services include global accessibility, high security, efficient disposition of funds: the client pays only for the actual use of the computing power. MTS demonstrated an alternative solution of how to organize accountancy based on the Cloud Computing technologies. The famous “1C:Enterprise” package now runs on the basis of SaaS (Software-as-a-Service), the world known concept focused on business tasks. Moreover, the MTS subscribers will be able to use the Publiclick service making it possible to produce advertisement on your mobile phone, the VideoBridge service, affordable business class video conferences, and the Spontania service, one more application to organize video conferences. Thanks to the application, the service can be launched on any personal computer hooked up to Internet.

The developed infrastructure of the MTS network and its partnership with the leading equipment manufacturers enabled us to demonstrate the “Mobile Health” pilot project technologies at TIBO-2011.” This is an integrated solution enabling remote monitoring and diagnostics



of the patients' health statuses irrespective of their locations. This is a cluster forming service. It has a high potential of such services to be deployed in Belarus.

MTS also develops other innovative services by mastering the features of mobile devices. In particular, these are the location based services (LBS) dependent on the current location of the mobile device. The provider has been offering the LBS services in the Belarusian market since 2010. MTS is implementing the LBS (Location Based Services) and GPS (Global Positioning System) based convergent services this year.

The provider also proposes its mobile commerce services combining them with the new ways to manage financial transactions. Many solutions implemented by the company in this field have no counterparts in the Belarusian market. In particular, it is the "MTS Money" mobile application.



Mr. Vladimir KARPOVICH, General Director, Mobile TeleSystems (MTS) COOO:

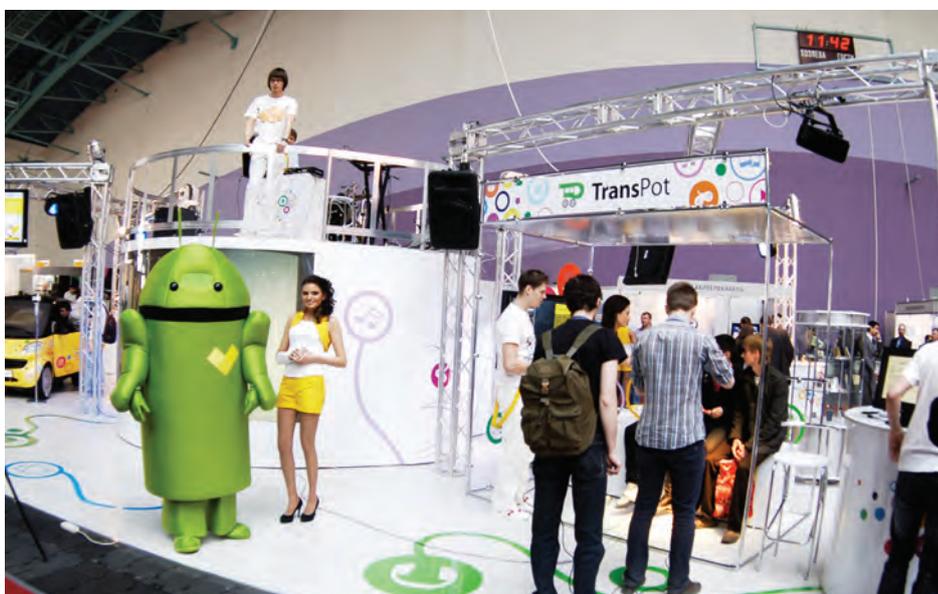
The annual TIBO IT Forum is the incumbent event in the national telecommunications market that attracts both specialists of the industry and the users interested in high-tech solutions. This is the very place where companies tend to demonstrate their latest developments. As a rule, the novelties announced at TIBO predetermine development trends of the IT industry in Belarus for the next year. MTS has always used the chance to please its subscribers by innovative offers at TIBO.

VELCOM at TIBO-2011: high speed mobile Internet, smart phones, mobile applications and services

VELCOM, the oldest GSM provider in the country, offered the VELCOM Smart Store exposition. The concept of the stand was based on the trends of the telecommunications market: high speed mobile Internet, mobile applications, and a range of the value added services. The visitors could see the features of the 3G|3G+ VELCOM services, modern smart phones, and popular tariff plans of the company.

VELCOM made a special offer targeted to the Android OS smart phones on the eve of TIBO-2011. The service will make it possible to find information about interesting mobile

applications and useful programs for "smart phones." Many of those applications have been developed specially for the Belarusian users. "VELCOM recommends" is the original application catalog containing links to the



applications originated for the software developers' competition titled "VELCOM Android Belarus."

The "Seven wonders of Belarus" application shows sightseeing locations of Belarus, the TransPot application shows the routes of public transport in Minsk City (people could test it). The user may use the "Recommend" option to send the application link to his/her friends either by SMS or by e-mail or social networks. It is possible to use the Android Market link to download the "VELCOM recommends" catalog by putting the corresponding request to the search box.

The "Smart Navigation / Mobile Safety" application uses the Navitel licensed software

application to navigate the roads and ensure mobile phone data security.

The "Business Services" application enables the 3G-technology features for business purposes. For example, this can be satellite monitoring.

One could see online broadcasting of the most interesting events on the VELCOM stand in Internet and in the Mobile TV. VELCOM Foreign Enterprise presented its marketing activities under the title "VELCOM recommends" on April 28, 2011. At the event, the company presented its tariff plans and proposals, new offers and other actual services. After the presentation, the company's representatives answered questions and exchanged opinions with the guests regarding mobile service development trends.

Mr. Mikhail BATRANETS, General Director, VELCOM Foreign Enterprise:

VELCOM traditionally participates in the TIBO exhibition, which is one of the most presentable forum in the field of telecommunications and information technologies. It is a great opportunity to let people know the most topical trends of the Belarusian telecommunication services market. Moreover, the exhibition is always a good reason for VELCOM to prove its innovative potential and ascendance.

Our exposition at TIBO-2011 allowed our company to vividly demonstrate the 3G\3G+ technology achievements and new technological features. We offered a unique concept called "VELCOM smart store". The concept was based on active application of high speed mobile Internet, mobile applications, and a range of the value added services. It should be noted that the exposition was a success, and its visitors actively participated in the activities at our stand.

It is impossible to overestimate how important it is to contact the consumers of technological services in person. In this regard, TIBO is peculiar, because it brings big companies and their customers together. On behalf of VELCOM, I would like to thank the organizers of the exhibition for holding this important event, for their professionalism, input into development of the telecommunications industry, and, of course, for cooperation with our company. We hope the exhibition will continue being as useful and interesting as it is today. Let us wish TIBO to improve and develop successfully!



THE 18TH BELARUSIAN CONGRESS ON THE INFORMATION SOCIETY TECHNOLOGIES

The Lithuanian Day at TIBO-2011. "IT cooperation possibilities between Lithuania and Belarus"

April 28, 2011

The seminar organized at the TIBO-2011 Press Center presented the Lithuanian experience of creating advanced products and services. The event was intended to assist mutually beneficial cooperation development between the Belarusian and Lithuanian IT companies, improve export potential of the Belarusian IT industry, exchange experience of applying information technologies in various field of contemporary society.

His Excellency Mr. Edminas BAGDONAS, Extraordinary and Plenipotentiary Ambassador of the Republic of Lithuania to the Republic of Belarus, and the representatives of the companies and associations participated in the event. The visitors and exhibitors were greeted by the organizers of the event: Mr. Vladimir



BASKO, General Director, Infopark Association (Belarus), and Mr. Vitkauskas VITAUTAS, Vice-President, INFOBALT Association.

Mr. Edminas BAGDONAS mentioned how important it was for the countries to cooperate in the field of information and communication technologies. He paid attention to the range of developments that the Lithuanian companies presented at TIBO-2011, and noted that those developments could be also applied in Belarus. Mr. Aidas KAVALAUSKAS, General Director of CID Baltic UAB, made his report. After the event was over, there was a discussion devoted to cooperation possibilities between the IT businesses of Lithuania and Belarus.



International Workshop Conference: "TV and Multimedia Technologies" (Breakout Session)

April 28, 2011

The Breakout Session of the International Workshop Conference "TV and Multimedia Technologies" was organized at the Conference Hall of the Minsk Arena Multifunctional Cultural and Sports Complex under the chairmanship of Mr. Sergei NESTEROVICH, Minister of Communications and Informatization of the Republic of Belarus, Mr. Alexander SLOBODCHUK, Deputy Minister of Information of the Republic of Belarus, and Mr. Gerasim GADIYAN, President of the HD Union Association (Russia).

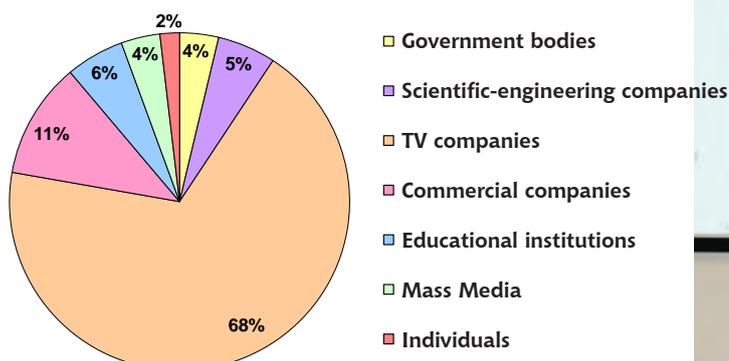


Mr. S. Nesterovich,
Mr. G. Gadiyan, Mr. A. Slobodchuk

The participants of the event were the manufacturers and suppliers of the equipment to create, process and distribute multimedia content, the TV and movie companies, cable network providers, communication providers, producers and content designers, consulting and research companies, manufacturers and vendors of the TV equipment, projector and video equipment, advertisement agencies as well as the representatives of the relevant ministries and state bodies, professional associations, educational and R&D institutions.

The speakers were the heads of Belteleradiocompany, TV channels and providers of cable, IPTV and Internet-TV,

Composition of the registered participants by their industries:



relative R&D institutions, and other famous organizations from Belarus and Russia.

The newest technological solutions in the field of TV and multimedia technologies were depicted in the presentations made by the representatives of the world leading brand-name companies: Samsung, Thomson Video Networks, Eutelsat Communications S.A., and Ikegami Tsushinki Co., Ltd.

At the Session, there were demonstrations of innovative developments, including the Internet-TV broadcasting of high quality and HD-quality, the online Internet 3D-video, etc.



Workshop Seminar: “Major information society development trends in the Republic of Belarus”



Mr. A. Ilyin

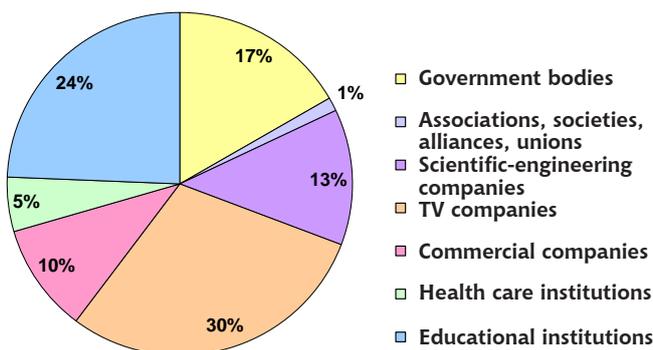
The purpose of the seminar was to present major projects of the National Program for potential implementers and users.

Due to discussing of the Program between the specialists of the wide range, the Ministry of Communications and Informatization of the Republic of Belarus was able to select the most qualified implementers when organizing the bids. The National Program is the complex document affecting basically all fields of social relations in the state and society. If compared to the previous “Electronic Belarus” program that finished in 2010, the new program is organized differently. It has nine subprograms (the Ministry of Communications and Informatization of the Republic of Belarus is the ordering customer of three of them).

In his review report, Mr. Sergei SHATSOV, Head of the Informatization Programs and Projects Directorate, Informatization Department, Ministry of Communications and Informatization of the Republic of Belarus, described the National Program development process, shortly highlighted its goals and tasks, results and key figures of successful implementation, and characterized the subprograms. The report described the process of formation of the normative and legal base necessary for implementation of the National Program: development of the program provisions, the provision on the Coordination Council and formation of its composition.

The workshop seminar titled “Major information society development trends in the Republic of Belarus” was devoted to the subprograms and events of the “National Program of Accelerated Services Development in the Field of Information and Communication Technologies for 2011-2015,” approved by the Edict #384 of the Council of Ministers of the Republic of Belarus, dated March 28, 2011 (hereinafter, “National Program”).

Composition of the registered participants by their industries:



April 28, 2011

In her report, Ms. Olga FEDOREEVA, Head of the Electrical Communications Directorate, Ministry of Communications and Informatization of the Republic of Belarus, described perspective development trends of the next generation networks in the country. Mr. Alexander GORBACH, Section Head, Operative Analytical Center under the President of the Republic of Belarus, presented the core national interests in the informatization field, listed potential or real national security threats in the field of information technologies. He highlighted the goal and tasks of the subprogram titled "Safety

and Security of Information and Communication Technologies, and e-trust."

Moreover, there were reports on the status of informatization in the following fields: health care (connecting of the health care institutions to the corporate network, development of telemedicine), education (the "Electronic learning and human capital development" subprogram), social security, customs office bodies, the National Library of Belarus (creating digital book collections).

International Workshop Seminar: "Mobile technologies: new possibilities"

The Ministry of Communications and Informatization of the Republic of Belarus, and the Belinfocom Association organized the seminar together. The event was targeted to highlight the main global trends of mobile application developments, assist and accelerate development of such applications by the Belarusian companies, and implement such applications in the social sphere and various economy industries of the country.

The seminar reviewed various mobile technology applications:

- the bank industry (tracing location of the armored cars);
- the Ministry of Internal Affairs of the Republic of Belarus, and the Ministry of Emergency Situations of the Republic of Belarus (GPS navigation for patrol cars. When the system is used, the dispatcher can see the location of the car on the screen, and the system keeps the log of the route, mileage, etc. It is possible to communicate with the crew, set tasks, receive task confirmations, and store information about all that);
- the Ministry of Health Care of the Republic of Belarus (remote patient status monitoring);
- the Ministry of Forestry of the Republic of Belarus and the Administrative Department of the President of the Republic of Belarus (hunting license Internet purchase automation);

- the Minsk City Executive Committee (the Common Taxi Management Service, real estate sales);
- the Ministry of Culture of the Republic of Belarus (travel guides on museums and exhibitions).

Seven perspective technologies to be considerably developed in Belarus emerged from the seminar discussions:

1. MUI (Mobile User Interface) determines if mobile devices are comfortable to use. They will become a highly competitive market in 2011-2012. Mobile device manufacturers will use MUI to differentiate their products. The number of mobile user interfaces will probably increase, making it more difficult to develop and support the mobile business-to-employee (B2E) and business-to-consumer (B2C) applications. Despite the difficulties in front of mobile application developers, competition between various interfaces will make mobile Internet and mobile applications more comfortable for the end users.

2. Targeting location. Location data opens new possibilities for innovative mobile applications. There are more opportunities for the existing services: for example, mobile social networks will emerge. Targeting

location of employees and equipment in the Wi-Fi-based corporate wireless local area networks will open new possibilities to increase business efficiency. Despite its convenience and efficiency, targeting location brings up the unresolved issues about privacy and data protection.

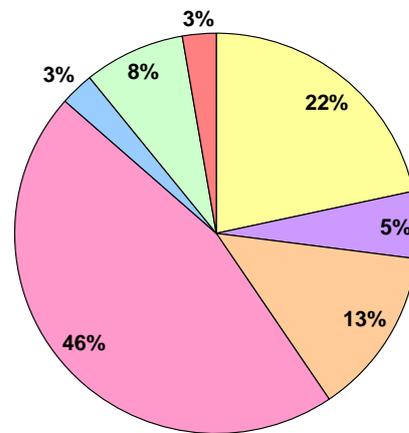
3. New wireless technologies make it possible to create cable-free wireless offices, get speeds compared to the wired Fast Ethernet.

4. Mobile device display technologies. Display will be an important differentiating factor alongside with the user interface when selecting a mobile device.

5. Mobile Internet and widgets. Mobile Internet becomes a budget way to deliver simple mobile applications to the range of mobile devices. Specialized applications and thin clients installed in mobile devices will be the main tool to run mobile business applications in the Wi-Fi and mobile communication networks.

6. Mobile broadband data communication in the next generation mobile networks.

Composition of the registered participants by their industries:



7. The NFC (Near Field Communication) technology ensures simple and protected communication between the mobile phone and other device in a short range (a few centimeters). NFC becomes the leading standard in the mobile payment industry with successful pilot spots in a few countries of the world. NFC is likely to be commonly used in the developing countries lacking wire payment infrastructures.

Mr. Andrei NAREIKO, Chairperson of the Board, Belinfocom Association:

TIBO International Exhibition is the largest Belarusian platform to promote the newest information technologies, achievements in telecommunications, network technologies, Internet solutions, bank technologies, financial services, and office automation solutions. It is focused on the market demands and the interests of the consumers. TIBO is a powerful tool to give birth to business partnership right in the real-time mode. That is why the leading companies of the industry and professional associations participate in this exhibition.

The Belinfocom Association of Information and Communication Technologies is a constant participant of the exhibition allowing to present our activities to the visitors, organize meetings with the companies' representatives who are interested in development of information and communication technologies in the Republic of Belarus, and who are ready to unite their potentials with the capacities of the Association. Conferences, sessions and panel discussions are a unique chance to openly discuss various topical issues facing the market players of the information and communication technology industry, including the issue of legislation to regulate the industry or establish attractive investment climate, or the issue of protecting consolidated interests of the Association members, or the issue of partnership and cooperation with the state administration bodies and organs.

Workshop Seminar: "IT in the Modern Bank"

The organizers of the workshop seminar titled "IT in the Modern Bank" were: the Association of the Belarusian Banks, Svyazinformservice, Alseda Consulting, and ADVA (Germany). The goal of the event was to present perspective innovative technological solutions in the field of the bank industry automation.

Mr. Stefan RETTENBERGER, Marketing Vice-President of ADVA, and Mr. Alexei SKACHIOK, Representative of Svyazinformservice, made their reports on planning and implementation of high speed internetworking with the Data Processing Center. They presented solutions for backup data centers, and discussed the problem of high speed data communication reliability.

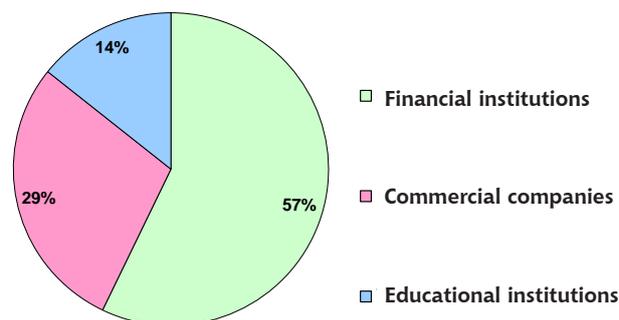
— This solution is very interesting: to gather information from various sources in the complex and communicate it by fiber optics, — comments Mr. Felix CHERNYAVSKI, Head of the Scientific Instructional Center, Association of the Belarusian Banks. — I reckon, we will discuss this opportunity not just once.

Mr. Mikhail RUBIN, Director of Alseda Consulting, highlighted the trends followed by the European banks when they implemented standard bank IT products, and described the cash register solutions for branches and equipment for the consulting operator workplaces.

— The least thing I would like to happen is to be a speaker and enjoy my own monologue, — Mr. Mikhail RUBIN expressed his feelings. — I am happy that the topic of the seminar, a bit provocative but important, led to the discussion. It takes long for the Belarusian banks to integrate new foreign IT products. I believe, the very bank process technology should be discussed once again, and one should try to optimize it. Thus, if the bank structure is decentralized, it becomes less competitive on the market.

Nevertheless, there were no Belarusian banks at TIBO-2011. The Belarusian Banks Association has referred to different target audiences of the banks and the exhibition.

Composition of the registered participants by their industries:



Mr. Mikhail RUBIN, Director, Alseda Consulting:
I must say, if I closed my eyes and opened them somewhere in the center of the exhibition, I would not see the difference between this event and the fairs held in Frankfurt or New York.

International Workshop Seminar: "Geo-information and navigation technologies and systems. e-Service systems based on spatial data"

The goal of the seminar was to exchange experience of applying the e-government technologies and to assist further development of the e-Service systems based on the spatial data in Belarus. The officers of Lantmateriet (The Swedish National Geodetic Administration of Cartography, Cadastre and Registration) participated in the seminar for the first time since establishment of TIBO. That could happen thanks to the agreement signed with the Swedish National Geodetic Administration

of Cartography, Cadastre and Registration (Activity 3 — e-government) on support and development of additional functions of the real estate management system in the Republic of Belarus. The agreement had been approved by the Ministry of Communications and Informatization of the Republic of Belarus, the Ministry of Architecture and Construction, and the State Property Committee of the Republic of Belarus.

Mr. Gunar LYSEL (Sweden) made the presentation titled “E-government development in Sweden basing on the EU directives,” and disclosed the interpretation of the EU legislative base on development of e-services under the e-government umbrella. That topic had never been discussed or reported at the national conferences before. Ms. Anna Svedlund (Sweden) in her report shared the Swedish experience of creating such an element of the e-government infrastructure as the common geo-portal of delivering e-services to the citizens and businesses using the spatial data.

Mr. Sergei SHAVROV, Section Head of the Application Software Systems Institute R&D RUP, made his presentation titled “E-services in Belarus, and the register of the state e-services.” The register was launched in October 2010 under the umbrella of the Information Systems State Register of the Republic of Belarus. It supports operations of the State E-Services Common Portal: www.portal.gov.by.

The presentation outlined the e-services delivered in Belarus at the moment (by using spatial data). Those were the services delivered by the National Tourism Agency Unitary Enterprise, the National Cadastral Agency Republican Unitary Enterprise, and the “Map

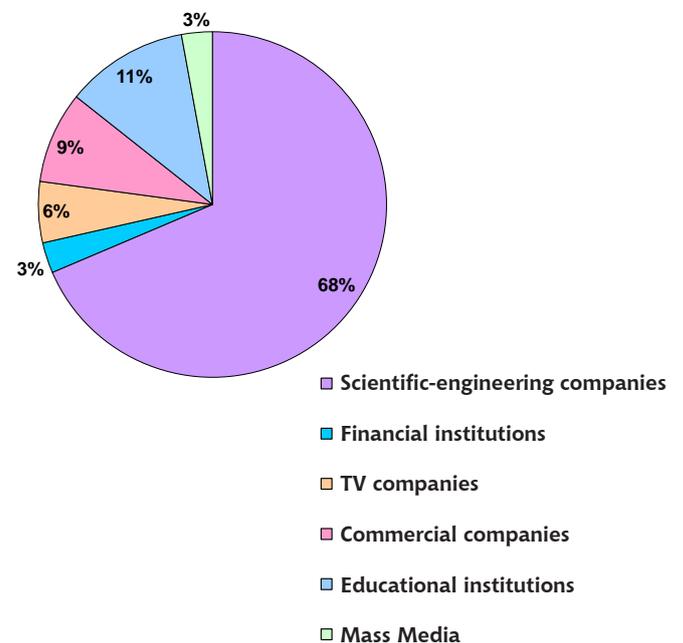
of the Republic of Belarus” Interactive Online Service run by Belgeodezia Republican Unitary Enterprise. Such a new form of electronic intercommunication with the population as public discussion of the Territory Development General Plan was also discussed there (Smolevichi, www.smaliavichy.by).

Four seminar reports were devoted to various issues of creating the National State e-Services Geo-portal: it was developed in Belarus for the first time. That issue was discussed by the representatives of BelNITsZEM, Belgiprozem RUP, and Goscardgeofond. Two reports devoted to e-services in the field of land administration (made by Mr. Vitaliy KUKHARCHIK) and using of the new Address Register of the State Land Cadaster (made by Ms. Anna POVILAN) generated interest.

The two speakers represented the National Cadaster Agency State Unitary Enterprise. The report titled “The precise positioning satellite system of the Republic of Belarus” (made by Mr. Andrei ANASHENKOV, Belaerocosmogeodesia RUP) described the results of developing the GPS systems in Belarus to ensure the centimeter accuracy precision when getting the spatial data.



Composition of the registered participants by their industries:



Workshop Seminar: “Contemporary IT trends for university education. Foreign universities’ experience.” DPA BEL, IOOO

The record number of participants visited the seminar organized by DPA BEL IOOO: there were over 90 executives and chief specialists from the national and regional universities of Belarus. The event was held under direct assistance of the Microsoft Representative Office in Belarus.

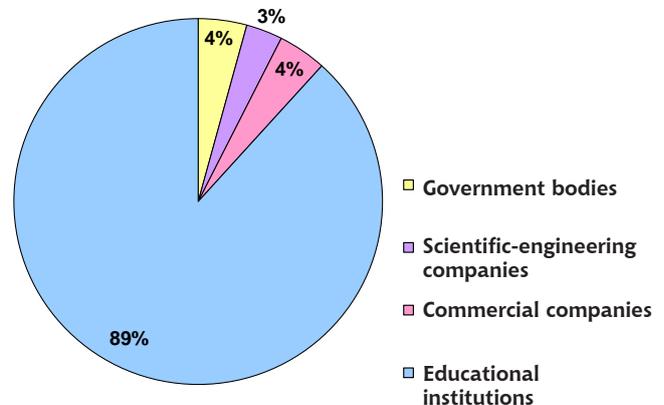
Mr. Voldemar INNUS, Manager of Educational Resources, Computer and Hardware Support at the New York University Buffalo State College (USA), described the world trends in the field of university informatization, and compared American and Latvian experiences in that field. North American and West European universities have started implementing the ERP-systems (PeopleSoft/Oracle, SAP Banner, Microsoft, etc.). The systems are subject to periodic upgrades and require regular maintenance expenditures. To the contrary, East European universities use homemade systems along with the specialized non-integrated systems (Moodle, Active Directory).

There was the presentation of the Baltic Competence Center in the field of IT infrastructure and university systems. During the presentation, Mr. Yanis GREVINSH, President of the Business School (Latvia), and Mr. Yuris VILDERS, Director of DPA SIA (Latvia), described hostile attitude of the tutors to applying information technologies and the difficulties faced when competing with the universities of the developed countries.

The “Cardisoft e-University” modern modular system of complete automation of university business processes was presented after the break. The system caught the interest of the participants. The kit of the “Cardisoft e-University” modules consists of the number of integrated applications and database systems designed to improve administrative and tuition activities of the educational institutions. The system integrates with various applications and fully modernizes educational institutions, improves quality of the services delivered to the students, and grants access to various media resources (Internet, voice chat and video communications).



Composition of the registered participants by their industries:



Workshop Seminar: “Information technologies in education”

Mr. N. Listopad, Mr. S. Sharkov



The seminar was organized by the Ministry of Education of the Republic of Belarus, the General Information Analytical Center, the Belarusian State University, and the Belarusian State University of Informatics and Radioelectronics. The goal of the event was to discuss implementation results of the State Program of Informatization of Education that had been accomplished in 2010, and to introduce perspective technological solutions to be applied in the new program operational until 2015.

The seminar introduced the following systems: the system of automated monitoring of admission commissions with the feature enabling applying to several professions, the system of teaching-methodic provision of the educational process at the Belarusian State University of Informatics

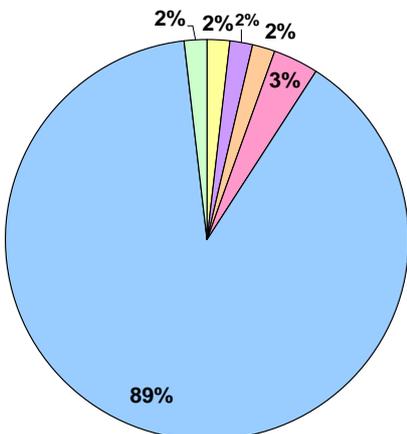
and Radioelectronics. The participants discussed application of information technologies in foreign languages training, in the field of advanced training and continuing education.

There were presentations of the educational Internet resources on preparing to the centralized testing, the student portal project to unite the network into academic groups. The representatives of the Belarusian-Russian University, the Minsk State High Radiotechnical College, the Vitebsk State Technological College shared their achievements in the IT field. However, it was vivid that some developments of the national universities duplicate each other in their concepts.

— Unfortunately, there is such a problem, indeed, — stated Mr. Nikolay LOSTOPAD. — There is a principle “If I developed the system, this system is the best.” They can hardly see what others do. There is some cooperation experience in the field of information technologies between the national and regional universities. The main universities are still competing. Others have passed through that, and we will.

The seminar touched on the very important problem: overcoming psychological barrier of the teaching staff on the way to information technologies.

Composition of the registered participants by their industries:



- Government bodies
- Commercial companies
- Scientific-engineering companies
- Educational institutions
- TV companies
- Mass Media

April 28, 2011

THE 9TH REPUBLICAN COMPETITION OF THE BELARUSIAN INTERNET RESOURCES: “TIBO-2011 INTERNET PRIZE”



The “TIBO Internet Prize” Internet Resource Competition (organized since 2003) has made considerable input to developing the Belarusian Internet industry, assisted technological perfection of the Belarusian web resources and improvement of their information content. Over 4500 Belarusian Internet resources have participated in the competition since it was established. The TIBO Internet Prize is mainly targeted to assist formation and development of the Belarusian Internet industry, develop and implement new information technologies, promote the best achievements of the Belarusian Internet industry.

There were 407 applications submitted to the competition this year (369 applications were filed to the competition in 2010). The best Belarusian Internet resources were broken down into the 15 categories:

1. State Administration Bodies (21 applications)
2. Education and science (34 applications)
3. Internet resource of the non-government organization (7 applications)
4. Public-social project (23 applications)
5. Information resource (55 applications)
6. Mobile website (4 applications)
7. Corporate Internet resource (61 applications)
8. Catalogues and e-service (32 applications)
9. Culture and art (22 applications)
10. Sports, tourism and entertainments (13 applications)

11. Health and medicine (76 applications)
12. Kids and youth (12 applications)
13. Foreign language Internet resource on Belarus (7 applications)
14. Picturesque Internet resource (10 applications)
15. Internet website of the bank and credit institution (30 applications)

According to the list, the biggest number of the applications (76) was in the “Health and Medicine” category. The other leaders were the “Corporate Internet resource” (61 applications) and the “Information resource” (55 applications) categories. The least number of applications was in the “Mobile Website” category (4 applications).

The provision and the Award Panel of the TIBO-2011 Internet Prize had been approved by Mr. Oleg PROLESKOVSKIY, Minister of Information of the Republic of Belarus and Chairperson of the Award Panel. The Competition Expert Board traditionally included the specialists from the IT industry, the representatives of the creative unions, academic science, the Mass Media, the state administration bodies, the enterprises and organizations of the Republic of Belarus.



AWARD PANEL

CHAIRPERSON:

Mr. Oleg PROLESKOVSKIY — Minister of Information of the Republic of Belarus

DEPUTY CHAIRPERSONS:

Mr. Ivan RACK — First Deputy Minister of Communications and Informatization of the Republic of Belarus,

Mr. Alexander SLOBODCHUK — Deputy Minister of Information of the Republic of Belarus

AWARD PANEL MEMBERS:

Mr. Vladimir LEBEDEV — Deputy Director, Informatization Department, Ministry of Communications and Informatization of the Republic of Belarus

Mr. Vladimir KOMIK — Deputy Director, Headquarter Information Analytical Center Ministry of Education of the Republic of Belarus,

Mr. Sergei ENIN — Executive Director, Information Society ROO

Mr. Andrei SAVINYKH — Spokesperson, Ministry of Foreign Affairs of the Republic of Belarus

Mr. Vladimir GOLUBEV — Panel Member Belorusskiy Soyuz Designerov OO Assistant Professor Professorial Design Chair Belarusian State University

Ms. Olga DEMIDOVICH — Head of the General Directorate of Information Technologies and Paperwork Management, Ministry of Health Care of the Republic of Belarus

Mr. Tadeush STRUZHETSKI — Deputy Minister of Culture of the Republic of Belarus

Ms. Irina GERMAN — Administrative Manager of the President of the Republic of Belarus Internet Website Division

Mr. Gennady CHEPURNYI — Head of the Informatization Directorate, Ministry of Economy of the Republic of Belarus

Mr. Stanislav MAXIMOVICH — Head of the HR, Information and Organization Support Department, Ministry of Sports and Tourism of the Republic of Belarus

Mr. Andrei GOLUBEV — Director, IT Directorate, Prof-Press Publishing House ChUP

April 28, 2011

The main competition assessment criteria were the content, structure and navigation features, visual design, functionality, and interactivity. When assessing the resources, the Award Panel was guided by the Competition Statement, applicable laws, and Decree #60 of the President of the Republic of Belarus "On measures to improve using of the national Internet

segment," dated February 01, 2010. At the awarding ceremony, Mr. Alexander SLOBODCHUK, Deputy Minister of Information of the Republic of Belarus, accentuated that the most important thing about the Internet resource was the informative message, "And the one who is the first to present it in an open way will always be the leader."

Competition Results



Summarizing the results (on April 21, 2011 at Pobediteley Avenue 11, Minsk City), the Award Panel of the "TIBO-2011 Internet Prize" Competition decided:

1. The "State Administration Bodies" category

The 1st prize went to:
Official website, The Ministry of Foreign Affairs of the Republic of Belarus,
<http://mfa.gov.by>
Developer: Pixelhead Web Design Studio, International Business Alliance JV ZAO

2nd place:
Official website, the Ministry of Education of the Republic of Belarus,
<http://www.minedu.gov.by/>
Developer: The Belarusian State University

3rd place:
The State Border Guard Committee of the Republic of Belarus,
<http://gtk.gov.by/ru>
Developer: BelTA RUP

Commemorative Diploma Award:
Official website, The Grodno Regional Executive Committee,
<http://grodno-region.gov.by>
Developer: BelTA RUP

Official Internet portal, The Minsk State Executive Committee,
www.minsk.gov.by
Developer: "Computer Center of the Minsk City Executive Committee" UP

Website, The Mogiliov Regional Executive Committee,
<http://mogilev-region.gov.by>
Developer: Mogiliov Regional Information Center Communal Production Unitary Enterprise

2. The "Education and Science" category

The 1st prize went to:
The Journalism Institution of the Belarusian State University,
<http://www.joum.bsu.by>
Developer: The Journalism Institution of the Belarusian State University



Ministry of Education of the Republic of Belarus

2nd place:

The Belarusian State Economic University (BSEU) Educational Institution,

<http://bseu.by/>

Developer: Belarusian State Economic University

3rd place:

The Grodno State University named after Yanka Kupala Educational Institution,

<http://grsu.by>

Developer: The Computer Center of the Lida College

3rd place:

The Vitebsk State University named after Peter Masherov Educational Institution,

<http://vsu.by/>

Developer: Mr. Artur BARANOK Engineer, Application Software & Multimedia Systems Section, IT Center, Vitebsk State University

Commemorative Diploma Award:

The website of the Electrical Engineering and Electronics Department, Belarusian National Technical University,

<http://electro.bntu.edu.by>

Developer: Belarusian National Technical University

Minsk City Secondary School #110,

<http://school110.com>

Developer: Mr. Ivan KOTLIANIK Software Engineer

The Plisskaya Secondary School named after V.A. Mikulich,

<http://www.plisa.by>

Developer: Mr. Alexander RUBANOV, Computer Class Teacher, The Plisskaya Secondary School named after V.A. Mikulich State Educational Institution

The Abiturient (prospective student) official republican website,

<http://abiturient.by>

Developer: Mr. Yuri RKYSHNEV Head of the Industrial Electronics Department, The Gomel State Technical University named after P.O. Sukhoi Educational Institution

3. The “Internet Resource of the Non-Government Organization” category

2nd place:

Hobby groups and athletics classes for children in Vitebsk,

<http://centers.by>

Developer: The State Regional Association on Organization of Out-of-School Education for Children and Teenagers Educational Institution (Vitebsk, Belarus)

3rd place:

Official website, The Primary Trade Union Organization of the Students, Belarusian State University,

www.profkom.bsu.by

Developer: Press-center Primary Trade Union of Students Belarusian State University



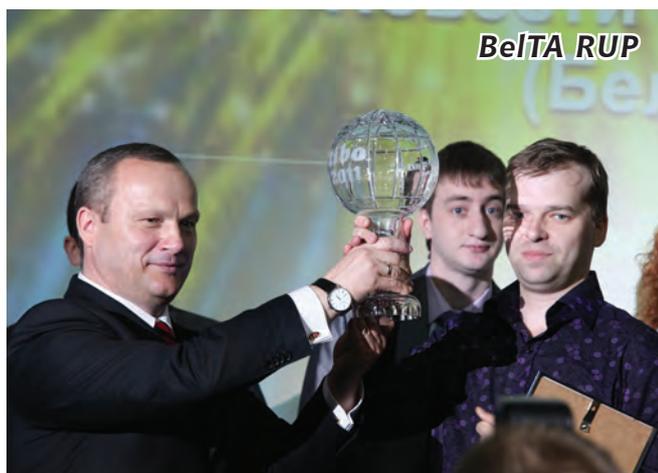
The Primary Trade Union Organization of the Students, Belarusian State University

4. The “Public-Social Project” category

The 1st prize went to:
Vmeste. The newspaper of the Belarusian Society of the Disabled,
<http://www.wmeste.by>
Developer: The Journalism Institution of the Belarusian State University

2nd place:
The monuments of Belarus and the Grand Duchy of Lithuania,
<http://www.radzima.org>
Developer: Mr. Constantin SHESTOVSKIY, Chief Artist, The Adukatzya i Vyhavanne Publishing House RUP

3rd place:
Veterans. Soldiers of the Great Victory,
<http://www.veteran.by>
Developer: BelTA RUP



5. The “Information Resource” category

The 1st prize went to:
News of Belarus (BelTA),
<http://www.belta.by>
Developer: BelTA RUP

2nd place:
Official website, ONT TV-channel (Nation Wide TV),
<http://www.ont.by>
Developer: Webcast Department Vtoroy Nationalnyi Telecanal ZAO

3rd place:
The “Belorusskaya Niva Newspaper Office” Institution
www.belniva.by
Developer: The “Belorusskaya Niva Newspaper Office” Institution

Commemorative Diploma Award:

The Internet version of the Maladzechanskaya Haseta printed newspaper,
www.mgazeta.by
Developer: The Maladzechanskaya Newspaper Office State Institution

Grodnenskaya Pravda Newspaper, News in Grodno City
<http://grodnonews.by>
Developer: Mr. Alexander MITSKEVICH

Alpha Radio Station,
www.alpha.by
Developer: The Elab Media Full Cycle Internet Agency (www.elab.by)

6. The Mobile Website category

Commemorative Diploma Award:

The First Catalogue (mobile version),
<http://odinka.mobi/>
Developer: Websun OOO

Ato.by — Minsk Travel Guide,
<http://ato.by>
Developer: Mr. Vitaliy KOVALEVSKIY

7. The “Corporate Internet Resource” category

The 1st prize went to:
Belavia (the National Airline of the Republic of Belarus),
<http://www.belavia.by>
Developer: Red Graphic Systems OOO

2nd place:
The Belarusian Universal Commodity Exchange,
<http://butb.by>
Developer: The Belarusian Universal Commodity Exchange OAO





Heineken

3rd place:
Trisoft OOO. Computer maintenance,
<http://trisoft.by>
Developer: Trisoft OOO

Commemorative Diploma Award:
Corporate website, BelAZ OAO,
<http://belaz.by>
Developer: Borovoy's Website Studio (www.db.by)

8. The "Catalogues and e-service" category

The 1st prize went to:
The First Catalogue,
<http://1k.by>
Developer: Websun OOO
2nd place:



The First Catalogue

Vash sad,
<http://sadovniki.by>
Developer: Effective Sites ChUP

2nd place:
IZ RUK V RUKI on-line,
<http://irr.by>
Developer: ProntoSoft COOO

3rd place:
Rabota dlya Vas,
<http://rdw.by>



The "Catalogues and e-service" category

Developer: Tanix Group OOO (tanix.by)

Commemorative Diploma Award:
ADline.by — Advertisement in Belarus,
www.adline.by
Developer: Mr. Denis STOLBOV

The website of e-delivery of the documents, The
Central Scientific Library, National Academy of
Sciences of the Republic of Belarus,
<http://edd.bas-net.by>
Developer: The Central Scientific Library, National
Academy of Sciences of the Republic of Belarus

9. The "Culture and Art" category

The 1st prize went to:
Internet portal the National Library of Belarus,
<http://www.nlb.by>
Developer: AGAT-SYSTEM OAO

2nd place:
The Vitebsk Regional Philharmonic Hall State
Cultural Institution,
<http://philharmonic.vitebsk.by>
Developer: Mr. Artur BARANOK (web.la.by)

3rd place:
Official website, The Gantsevichi District Museum of
Regional Studies
<http://gantsevichi.museum.by>
Developer: Mr. Dmitriy PASHKOVSKIY (www.dekart.org)

Commemorative Diploma Award:
The Vitebskie Virtuozы Balalaika Octette,
<http://vitvirtuoz.la.by>
Developer: Mr. Artur BARANOK (web.la.by)
The InGest Dubmshow Theater,
<http://inzhest.belorus.by>
Developer: Masterlink OOO

10. The “Sports, Tourism and Entertainments” category

The 1st prize went to:
Tourist Portal of Belarus,
Holiday.by
Developer: OrangeLabel.ru Studio

2nd place:
extreme.BY (outdoor activities and extreme entertainments in Belarus),
<http://extreme.by>
Developer: Mr. Pavel POTASHNIKOV

3rd place:
The Protennis.by project,
<http://protennis.by>
Developer: Borovoy's Website Studio (www.db.by)

Commemorative Diploma Award:
Goals.by (the Belarusian website on sports)
Developer: Mr. Sergei GOLENKEVICH



Holiday.by Touristic Portal

11. The “Health and Medicine” category

The 1st prize went to:
Medical portal
www.103.by
Developer: Osen-new ChUP

2nd place:
the 6th Outpatient Clinic, Central District Clinical Outpatient Hospital of the Leninski District of Minsk City,
<http://poliklinika6.by>
Developer: IT-BY Web Design Studio

3rd place:
Website: The Minsk City Clinical Oncologic Dispensary Health Care Institution,
mgkod.by
Developer: Eca-soft OOO

Commemorative Diploma Award:
The City Children's Infectious Clinical Hospital Health Care Institution,
www.gdikb.by
Developer: Global Travel Design Studio

Dental Internet Portal Zubnoi.by,
<http://zubnoi.by>
Developer: Forever Web Design Studio

The Health Care Internet Server (rsml.med.by),
<http://rsml.med.by>



Medical portal

12. The “Kids and youth” category

12. The “Kids and youth” category

The 1st prize went to:
Vyaselka Children's Magazine
<http://www.veselka.by>
Developer: The Journalism Institution of the Belarusian State University

2nd place:
Ranitsa. A newspaper for young adults.
<http://www.ranitsa.by>
Developer: The Journalism Institution of the Belarusian State University



3rd place:
Perekhodnyi vozrast (the newspaper for young adults),
<http://www.pvz.by>
Developer: The Journalism Institution of the Belarusian State University

Commemorative Diploma Award:
The law website for kids,
www.mir.pravo.by
Developers: The National Center of Legal Footer of the Republic of Belarus, Red Graphic Systems OOO

13. The “Internet website of the bank and credit institution” category

The 1st prize went to:
Internet website, Belvnesheconombank OAO,
www.bveb.by
Developer: Astronim Systems OOO

2nd place:
Internet website, Priorbank OAO,
www.priorbank.by
Developer: Priorbank OAO



3rd place:
Corporate website, Alfa-Bank ZAO,
www.alfabank.by
Developer: Astronim Systems OOO

Commemorative Diploma Award:
Internet website, Belorusskiy Narodnyi Bank OAO
www.bnb.by
Developer: Omertex OOO

Paritetbank OAO
www.paritetbank.by
Developer: Alternativnaya Tsifrovaya Set Foreign Limited Liability Company

Internet website, Sombelbank ZAO,
www.sbb.by
Developer: Astronim Systems OOO

The Panel awarded its special prizes:

- “The best content and technology of the website” — Russian-language website version, the State Border Guard Committee of the Republic of Belarus
- “The best website and website functioning software developer” — The Borovoy’s Design Studio;
- “The biggest input in development of information society and Internet in the Republic of Belarus” — Beltelecom RUP.

Moreover, the Award Panel session at the Ministry of Information of the Republic of Belarus disclosed that the number of the websites of the state bodies, non-government and other organizations did not have the foreign language (English) versions, and used low quality machine translations made by the browser-based machine translators instead.



The stand of MTIS OAO is acknowledged as the most popular one



Minsk Information Television Networks (MTIS) OAO, the largest cable TV provider in Belarus and the Internet provider in the capital city, is the permanent participant of TIBO. About 550 thousand subscribers watch cable TV from MTIS OAO. The company made its unique Internet connection offer at the exhibition. The visitors of the stand could get Internet connection coupons with 3 Gb prepaid, which was 50 percent more than what was offered by the same tariff plan by default.

MTIS OAO was awarded with “The Most Popular Stand” honorary diploma for original presentation of its exposition and for active intercommunication with the visitors. Vadik-the-boy and Telek-the-cat, cartoon characters, presented the company’s TV channels at the fair. Moreover, there was a video installation at the stand: the employees of MTIS videotaped various emotions of their subscribers when they were watching TV-sets. The D.J. used the video clip to create his musical composition at the exhibition. The slogan of the promo action was “Say MTI-i-i-i-S!”

— We operated interactively, — Ms. Tatiana DOROSHKO, Head of the Marketing & Communications Department, MTIS OAO, said. — We organized various competitions and trivia games in social networks. The prize was a free ticket to the exhibition. We would make pictures of the stand visitors when they wanted so, and then we would upload those pictures to our groups in social networks.

Moreover, we are supported by the copyright holders of our TV-channels. We regularly organize panel games with their prizes.

Over 2200 persons were shot by the cameras during the Forum. The most active social network users became the happy owners of the T-shirts, baseball caps, umbrellas, USB sticks, and other giveaways. The most memorable characters of the show were the life size puppets of Sponge Bob and Dasha-the-Traveller (the animated characters from the Nickelodeon TV channel).

— What is the first webpage displayed on your screen when you switch on your computer and launch Internet? Exactly, this is your social network profile, — believes Mr. Dmitriy BUSCHIK, Marketing Director of MTIS OAO. — It is important that we see our friends, feel happy or sorry, and exchange information. We get closer in social networks. We feel sympathy and interest of others. This is everything that unites our viewers, our subscribers. I am sure our visitors will have pleasant memories about our projects for a long time.”

Ms. Tatiana DOROSHKO, Head of the Marketing & Communications Department, MTIS OAO:

The fair is a shakedown, and we are very happy about that! There is a big influx of visitors. I’ve noticed early queues to the stands. I believe any person could find anything at TIBO that he or she might need. As for us, we are happy about our participation results. Our large scale photo project has caused many feedbacks in Internet.



Cosmos TV: television of the future at TIBO



Cosmos TV, cable TV and high speed Internet provider operating in the Belarusian market for over 15 years, presented the newest 3DTV broadcasting technology at TIBO-2011. By wearing special goggles, the visitors could see the advantages of the 3DTV format with their own eyes. The broadcasting was displayed on one of the plasma panels installed at the stand. There were practically no empty seats.

Ms. Olga KRATKO, Chief Marketing Specialist, Cosmos TV COOO, proves it: “Despite the technical capability of the 3DTV broadcasting, this format is the television of the future. However, the contemporary television, HDTV, is as interesting.” The provider’s stand hosted plasma panels showing Eurosport HD and Luxe TV HD. The first of them is available both to the cable TV and terrestrial-cable TV subscribers (the MMDS standard). The cable TV subscribers can watch two more HDTV channels: National Geographic HD and Travel Channel HD. All four channels are included into the Basic+HD package.

— Cosmos TV was the first provider in Belarus to offer the HDTV service, — Ms. Olga KRATKO says. — The Basic+HD package is in high demand. The number of the HDTV channels will grow in the future.

The HDTV channel combines the realistic picture (its resolution is almost five times better than the traditional definition), and the Dolby Digital live sound. To watch the TV channels of the format, it is necessary to have a TV-set (or

other device) capable to tune in to receive the digital TV signal and decode the HDTV signals of the MPEG 4 AVC (H.264) compression. At that, the equipment should have the CI (CI+) slot to install the CA-module with the access card.

In addition to the world achievements in the field of the newest TV technologies, the company presented the services that had become traditional to the company’s subscribers. Those services were: the DVB-C digital broadcasting (cable networks), the DVB-T digital broadcasting (terrestrial networks, over 45 TV channels), and the EuroDOCSIS 2.0 and Metro Ethernet broadband Internet access. Moreover, the visitors could study the possibility of connecting through the conditional access module (CAM), and find out more about such services as the “Electronic Program TV-guide” (EPG), the “Parent Control”, and the language selection feature available on some TV channels.

Cosmos TV made one more offer at the exhibition: the so-called regional broadcasting launched on June 01, 2010. The company broadcasts 29 TV channels in the DVB-T MPEG-4 format for the residents of Minsk Region. They are broadcasted from the Kolodischi Transmitting Station.



Alternativnaya Tsifrovaya Set IOOO at TIBO: a TV-bridge to serve Internet

The stand of Alternativnaya Tsifrovaya Set IOOO (the “Atlant Telecom” and “Shparki Damavik” brand-names) was located next to the central entrance to the exhibition, and, as it had been expected, the stand became the center to attract the youngest visitors of the fair. The presentation of the Ethernet Technology Interactive Encyclopedia and the IPTV service based on top of it (over 50 TV channels) was accompanied by various draws and entertainments. So, the visitors who asked the most interesting questions to the specialists of the company got special prizes. One could assess the services in the on-line mode. After switching on the Bluetooth network, the stand visitor would make up the password using the parts of the code, then unblock one of the computers installed at the stand, and after getting the giveaway he/she could talk to the specialists of the enterprise in the TV-bridge format.

The “Shparki Damavik” Ethernet unites over 15 000 users, and in addition to IPTV it offers a wide selection of entertaining resources: VIDEO.TELECOM.BY, DC.TELECOM.BY, RADIO.TELECOM.BY, GAMES.TELECOM.BY and TORRENT.BY. The users can share any data in the high speed mode, they can chat, listen to over 300 radio stations, play popular games, download movies, software applications, video clips, and audio files. Continuing its development, the network covers the following communities in Minsk City: Sukharevo, Kuntzevshchina, Loshitsa, Yugo-Zapad, Voennyi Gorodok Uruchie, Brilevichi. Inhabitants of the Voennyi Gorodok and Brilevichi communities will start using this technology soon. All citizens of Minsk will have this opportunity in less than five years. “We plan to cover the entire city of Minsk, including the downtown,” — said Mr. Igor SUKACH, General

Director of Alternativnaya Tsifrovaya Set IOOO, in his interview to BelTA. The exhibition visitors could connect to the Ethernet for free.

Mr. Alexander VAVULO, Marketing and Innovations Director of Alternativnaya Tsifrovaya Set IOOO, believed that the future user would not only order the content but would personally affect the drama’s content. The specialist thought that IPTV from “Shparki Damavik” would enter the new technological level by broadcasting in the HD and 3D formats in the near future. Today IPTV requires a special player; however, the new format will require a special decoder. At that, the company guarantees that the signal quality both on the TV screen and the computer display will be equally high.

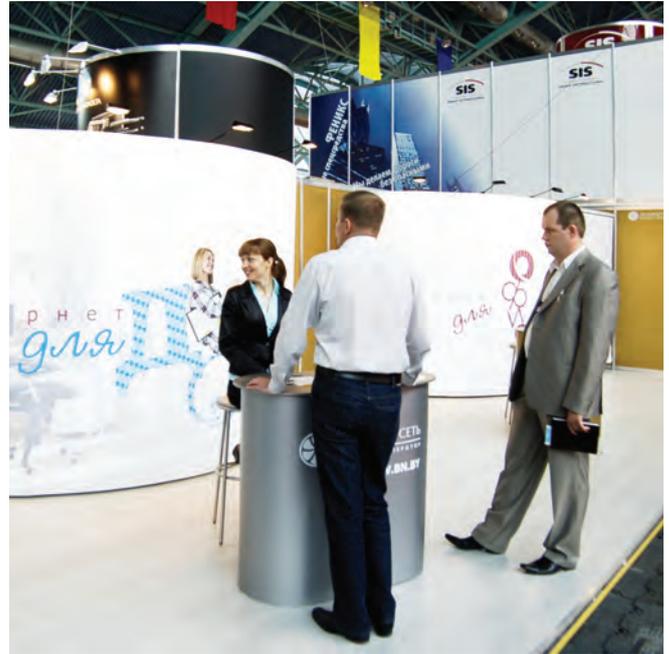
Alternativnaya Tsifrovaya Set IOOO offers the ADSL and Ethernet broadband Internet access. The overall speed of the outer communication channel was about 2 Gbit/s in April 2011. The company operates in all regional cities of the country. Ethernet networks with data communication speeds of up to 100 Mbit/s are expected to be deployed in all cities where the company operates. It should be noted, that Alternativnaya Tsifrovaya Set IOOO provided technical support when the 18th Belarusian Congress on the Information Society Technologies was organized.



Delovaya Set SP OOO offers gigabytes of free Internet traffic at TIBO

Delovaya Set SP OOO works in practically all niches of the Internet services market: from organization of the dial-up access to large corporate networking through high speed leased lines.

The company presented its new proposal called "ECONOM" at the fair: it was the unlimited residential Internet at the access rate of 512 Kbit/s. The tariff plan cost 1000 Belarusian rubles per day. At that, the user would be given a modem for the duration of the delivered service. Moreover, the company presented its unlimited access tariff plans called "DOM S" and "DOM L" at the exhibition. They cost 2000 to 6600 Belarusian rubles per day at the 2 to 4 Mbit/s access rates. In this case, the price also depends on the account balance.



Unique USB Flash drives from FlashMaster OOO (Russia)

The stand of FlashMaster, designer of the USB Flash driver housing, attracted many visitors. "Sales of traditional carrier mediums like CDs and DVDs with recorded content are dropping globally today, — the company says. — And such new classes of devices like pocket PCs and netbooks do not have any CD/DVD drives at all. There are no doubts about the USB Flash advantages: these device store big volume of data and can be rewritten numerously."

Moreover, a unique USB stick is a perfect giveaway. The specialists of the company designed dozens of unique housings for the USB sticks. The most interesting ones were exhibited. The company offered diverse design, rich assortment of packing, material options (brass, silicone, plastic, etc.). The showcase portrayed the USB sticks in the form of a flat 2D car and animal models, 3D models in the shape of baloney and catch-up made of soft PVC, and aircraft models casted in metal. The company developed designs like a hand grenade, a platter (patented by the company), and the Kremlin tower made of silicone. The visitors of the stand constantly wondered: "Can I buy this?"

— The thing is that we mostly produce orders of our corporate clients, and we do not deal

with retail, — said Mr. Andrei IGNASCHENKO, Special Projects Department Director. — The housing costs from 200 to 2000 Russian rubles. The top price means the biggest chip with the hand painted housing colored by one of the leading Russian painters.

Once the customer approves the suggested 3D design, the installment is shipped within two to five weeks. FlashMaster cooperates with the factories in Taiwan and China, and the company has its own manufacturing facility in Moscow (Russia). If requested by the customer, the specialists of the company can record certain content on the new USB stick with all content copyrights "cleared" in advance. The FlashMaster's partners are: Mysteria Records OOO, the WIMBO Producing Center, and the Soyuzmultfilm Film Studio.

— We are in Belarus for the first time. It is interesting to exhibit our company at such a fair and get to know your market better, — Mr. Andrei IGNASCHENKO summarized.

It should be noted that FlashMaster has started designing original housing for its MP3 players.

Beltranssputnik ChUP presents the Dispatcher II transport control system at TIBO

The kit of special equipment enables to whittle down vehicle expenditures by 60 percent, and makes the drivers more disciplined by cutting loss of working hours due to annihilating false and extra mileage and timing. "Dispatcher II" monitors the vehicle's route in the real-time mode indicating its mileage. Moreover, the kit can be optionally equipped with the "phone set" for operational communications with the driver. Even if the external power is lost, the unit will continue its self-sufficient operations by bypassing to the built-in battery.

— People got very interested in our services, — Mr. Alexei GORBACH, Product Specialist, Beltranssputnik ChUP, said. — The visitors ask uneasy questions, and the questions are even more interesting to answer. Over 6000 legal entities cooperate with us. The state run companies have bought more equipment sets

than the private companies; however, there are more private companies than the state run companies in our client portfolio.

All information is stored in the system for three months. The system provides vehicle reports automatically, including vehicle demurrage and speed limits exceeded. It is also possible to assess how the driver treats the driven vehicle (how the vehicle accelerates, pulls up, and goes through bumps and corrugations). There is an option to hook up the system to the fuel flow sensor.

The Dispatcher II system has been certified by Gosstandart of Belarus as the equipment to control location and the status of the transport. This system is protected by the Belarusian patent.

BlueMedia OOO presents the first Bluetooth Network in Belarus at TIBO

BlueMedia presented a totally new advertisement niche to the Belarusian market: the Bluetooth network. In fact, Bluetooth marketing is the virus trend of mobile marketing. Basing on the Bluetooth technology, this solution can contact the user personally by his/her mobile phone. The communication channel provided by BlueMedia could send files of any format: from pictures to JAVA-catalogs.

One could evaluate the specialty at TIBO. Five small servers installed across the fair pavilion broadcasted information about the services of the MTS mobile communications provider, which was the partner of BlueMedia, to the visitors of the show. Two more devices were next to the central entrance, two more were nearby the MTS stand, and one more was next to the BlueMedia stand. Once the server finds a mobile phone or a pocket PC with the Bluetooth feature activated, the user is offered to get a message.

— One server covers the radius of 15-20 meters of the surrounding space. A wide space network

can be deployed if the servers are positioned professionally, — Mr. Anton KOSTKO, Specialist of BlueMedia OOO explains. — Moreover, our supplier is expected to procure more servers with the new software soon. One upgraded device will seize up to 50 meter radius of the surrounding space.

Additional advantages of the advertiser include a precise advertisement impact: it is possible to accentuate at the given time and at the given place. All communications with the users are logged for statistic purposes. At that, the Bluetooth advertisement respects the interests of the consumers (who will watch this advertisement otherwise?). The subscribers benefit from free download of various games, video and graphics, audio files, interesting and important text information supplied alongside with the advertisement.

Today the Bluetooth Network covers some movie theaters in Minsk and the Mc'Donalds Restaurants.

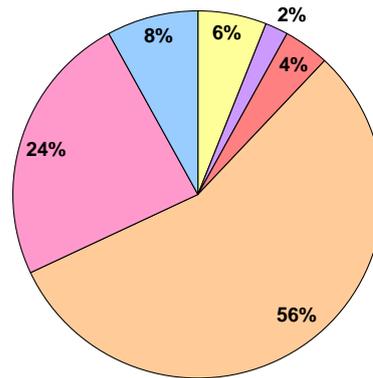
**THE 18TH BELARUSIAN CONGRESS ON THE INFORMATION SOCIETY TECHNOLOGIES
International Workshop Conference: “TV and Multimedia Technologies”**

Panel discussion: “Legislative developments in the field of licensing and copyright protection”

April 29, 2011

The panel discussion titled “Legislative developments in the field of licensing and copyright protection” was organized under the umbrella of the “TV and Multimedia Technologies” Conference. Its organizers were: the Minister of Information of the Republic of Belarus, the Ministry of Communications and Informatization of the Republic of Belarus, the Telecommunication Industry Union, and the Belinfocom Association. The participants of the event discussed topical issues of managing copyrights for various works and technologies, and distribution territories. The heads and specialists of Beltelecompany and other TV companies participated in the event, as well as MTIS OAO, Cosmos TV COOO, Beltelecom RUP, Fabrica Vysokikh Technologyy OOO.

Composition of the registered participants by their industries:



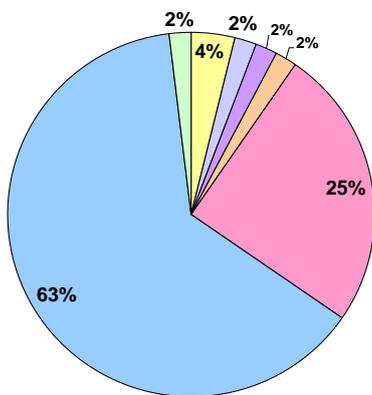
- Government bodies
- Scientific-engineering companies
- Associations, societies, alliances, unions
- TV companies
- Commercial companies
- Educational institutions



April 29, 2011

Seminar: "Internet-marketing and promotion"

The Belarusian State University of Informatics and Radioelectronics organized the seminar. Students and tutors, representatives of the companies specialized in implementation of the Internet business projects participated in the event. The goal of the event was to present the latest technologies in the field of Internet marketing, website promotion, and Internet business activities. The seminar caused spirited debates between the participants.



Composition of the registered participants by their industries:

- Government bodies
- Associations, societies, alliances, unions
- Scientific-engineering companies
- Financial institutions
- Commercial companies
- Educational institutions
- Mass Media

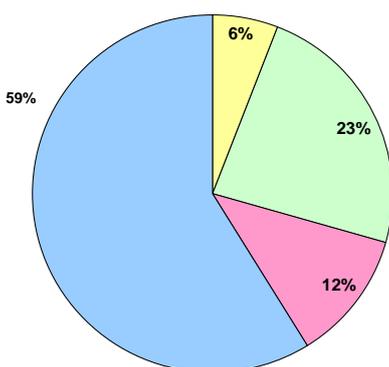
Panel discussion: "IT-entrepreneurship in the Republic of Belarus"

The Belarusian State University of Informatics and Radioelectronics organized this discussion in the world famous Investor Day format for the first time in Minsk. Thanks to the event, young entrepreneurs got information directly from their perspective investors (What things does the investor pay his/her attention to when making his/her investment decision? What information does he/she expect to get on the project?), and investors managed to understand the capacities of the industry and the latest technology trends.

The subject was discussed by Mr. Andrei MOGIN, Managing Partner of the Genesys

Asset Management Investment Fund (St. Petersburg, Russia), Mr. Mikhail BOROZDIN, Managing Partner of Belinvest, Mr. Alexander SCRABOVSKIY, Director of the benefit.by Financial Service and Head of the Business Analytics Section of Paritetbank.

When the Panel Discussion was over, the specialists of the business incubator agreed to cooperate with the "gamedev" project. It was suggested to organize the Investor Day under the umbrella of TIBO on an annual basis, considering the interest and high demand for the events of that level.



Composition of the registered participants by their industries:

- TV companies
- Financial institutions
- Commercial companies
- Educational institutions



Over 25 000 specialists representing the state administration bodies of all levels, scientific-research and educational institutions, enterprises of various industries of economy and of different ownership forms visited the **TIBO-2011 Forum** thanks to active advertisement campaign organized in the Mass Media, posted directly to people and organizations, and displayed as outdoor advertising. The Forum's events were widely covered by the representatives of the national and foreign Mass Media, and by the press offices of the ministries that were members of the Organizing Committee of the Forum. TIBO-2011 was especially popular among the university students from Minsk: **the organizers had received hundreds of applications for institutional visiting of the exhibition** by the student groups specialized in the IT industry.

The TIBO-2011 organizers together with Fabrica Informatsionnych Technologiy and Alternativnaya Tsifrovaya Set IOOO **provided online Internet webcast** of the Plenary Session, Conferences and the Award Ceremony of the 9th Competition of the Belarusian Internet Resources "TIBO-2011 Internet Prize."

The following ministries and organizations participated in preparing and organizing of the Forum: the Ministry of Communications and Informatization of the Republic of Belarus, the

Ministry of Industry of the Republic of Belarus, the Ministry of Information of the Republic of Belarus, the Ministry of Education of the Republic of Belarus, the Ministry of Economy of the Republic of Belarus, the Ministry of Trade of the Republic of Belarus, the National Academy of Sciences of Belarus, the State Committee on Science and Technologies of the Republic of Belarus, the Operative Analytical Center under the President of the Republic of Belarus, the National Bank of the Republic of Belarus, the Minsk City Executive Committee, the Infopark Scientific Practical Association, the Belinfocom Association, Information Society Republican Public Association, the Cash Registers, Computer Systems and Retail Technology Equipment Association, the High Tech Park Administration State Institution, the Belarusian Banks Association, the Belarusian State University, the Belarusian State University of Informatics and Radioelectronics, Technics and Communications Closed Joint Stock Company.

We would like to thank Beltelecom RUP for technical support to the Forum, and we would like to thank the following for their information support: BelTA RUP, the Vesnik Svyazi Magazine, the Computernye Vesti Newspaper, the IT.TUT.by, OPEN.by, ITV.by and Kosht.com Internet resources.



WELCOME TO**tibo****ON APRIL 25-28, 2012!**