

**International conference**  
**Information and Telemedical Technologies in Health Care**  
**ITTHC 2005**  
*devoted to 50<sup>th</sup> anniversary of medical informatics in Russia*

**OCTOBER 25**

**13:30-15:00**

**Plenary Session I**

**DEVELOPMENT OF MEDICAL INFORMATICS IN RUSSIA**

**Chairmen: R. M. Bayevsky, D. D. Venediktov, S. A. Gasparyan, B. A. Kobrinskiy, V. A. Lishchuk, A. D. Tsaregorodtsev**

**Opening of The Conference.**

Address of official representative of Health and social development Ministry of Russia  
Address of official representative of Health care and social development Federal Agency

Welcome messages

**Reminiscences:** R.M. Bayevsky, D.D. Venediktov, S.A. Gasparyan, A.S. Kiselev

**15:15-16:45**

**Plenary Session II**

**DEVELOPMENT OF MEDICAL INFORMATICS IN RUSSIA**

**Reminiscences:** V. A. Lishchuk, A. L. Syrkin, G. A. Khai, D. S. Chernavsky

Address of conference general sponsor representative – company InterSystems.  
Welcome messages (continue)

**17:00-18:30**

**Symposium**

**INFORMATION TECHNOLOGIES IN HEALTHCARE**

**Chairmen: V.K. Gasnikov, A.B. Petrovsky, R.A. Elchiyan**

**eHealth** – R. A. Elchiyan, I. V. Yemelin, V. V. Tarasov (Russia) - 15 min

**What internationally does it play as a part in improving patient care?** – Stratton K. (USA) - 30 min

**Information systems of Federal and regional levels: the outlooks for integration** – B. A. Kobrinsky (Russia) – 15 min

**Information technologies in healthcare of Ukraine** – O.Yu. Mayorov (Ukraine) - 15 min

**Development and deployment of a health information system in transitional countries (Croatian experience)** - R. Stevanovic, I. Pristas, A. Ivcevic Uhernik, I. Klapan, A. Stanic (Croatia) – 15 min

## OCTOBER 26

**9:00-10:30**  
Symposium

### INFORMATION TECHNOLOGIES IN HEALTHCARE AND OBLIGATORY MEDICAL INSURANCE

**Chairmen: V.A. Lishchuk, R. Stevanovic, A.A. Cherepova**

**Conception and information aspects of children health monitoring** - O. P. Mintser (Ukraine) - 20 min

**eHealth. Seeing and experience of company Cisco Systems** - Ermoshkin N. (Russia) - 30 min

**Organization of common space in obligatory medicine insurance system of Moscow region** - Cherepova A.A., Maksakov V.V. (Russia) - 15 min

**Experience of modern information technologies use for studies of medico-demographical processes on regional rates in Russia** - Cherkovetz M.V., Lobanova V.N. (Russia) - 15 min

**The carrying out of automated expertise of consuming drugs registries** - Lebedev G.C. (Russia) - 10 min

**11:00-12:30**  
Symposium

### INFORMATION SYSTEMS AND DATA ANALYSIS I

**Chairmen: T. de Vries, O.P. Mintser, M.B. Shtark**

**Biocybernetic approach to analysis of cardiac rhythm variability** – R.M. Bayevsky (Russia) – 15 min

**Biocontrol at home and in the Net** - M. B. Shtark, O.A. Dzhafarova (Russia) – 15 min

**Intelligent support of health** – V.A. Lishchuk (Russia) -15 min

**Information system for analysis of demographic processes** – S.A. Gasparyan (Russia) – 15 min

**Medical knowledge formalization in the context of information support for physician** – M.A. Shifrin (Russia) – 15 min

**Knowledge formalization and description of objects are advantage of post relation approach Intersystem Caché** – A.Yu. Grachev (Russia) – 15 min

**13<sup>00</sup>-14<sup>30</sup>**  
**Symposium**

**INFORMATION SYSTEMS AND DATA ANALYSIS II**

**Chairmen: V. P. Karp, G. S. Osipov, Yu. A. Prokopchuk**

**Synthesis of the medical business processes basing on intelligent data analysis –**  
G.I. Nazarenko, G.S. Osipov (Russia) - 15 min

**InterSystems Ensemble – toll base for create of unified information medical space –**  
V.A. Kondratenkov (Russia) - 15 min

**Situational securing the implementation of computer technologies in health care - V.K.**  
Gasnikov (Russia) – 15 min

**Methods of structural analysis in medical research – V.P. Karp (Russia) – 15 min**

**Application of intelligent JSM systems for the medical diagnosis problems –**  
E.S. Pankratova, D.A. Dobrynin, E.V. Zakharova, I.V. Tzapenko, M.V. Zueva (Russia) - 15 min

**The problems of computer imitation of chemical compounds biotrasformation –**  
E.F. Fabrikantova (Russia) – 15 min

**15<sup>00</sup>-16<sup>30</sup>**  
**Symposium of company InterSystems**

**TECHNOLOGIES OF MEDICAL INFORMATION SYSTEMS CREATION**

**Chairmen: N.E. Krechetov, K. Stratton K, V.V. Shapovalov**

**InterSystems – the experience of leading supplier of technological platforms for medicine –**  
N.E. Krechetov, A.Yu. Grachev (Russia) – 30 min

**Company “CP ARM” experience of complex information decisions in field healthcare, medico-social expertise and medical rehabilitation using database InterSystems Caché -**  
M.Yu. Bakhtin (Russia) – 20 min

**Intramed: technological aspects of create – E.A. Berseneva (Russia) – 20 min**

**Medical information system “E-KUB” – N.G. Kolodyajny (Russia) – 20 min**

**17<sup>00</sup>-18<sup>30</sup>**  
**Symposium 1**

**TELEMEDICINE IN HEALTH CARE PRACTICE I**

**Chairmen: O. Yu. Atkov, O. D. Dmitrienko, S.E. Manankova Bye**

**The Russian telemedical network – present state and prospects – O.Yu. Atkov, V.L. Stolyar (Russia)– 15 min**

**Information technologies in Norwegian health care** – S.E. Manankova-Bye (Norway) – 15 min

**A mobile messaging and monitoring system to aid in diabetes self management** – E. Arsand, O.A. Walseth, N. Andersson, G. Ostengen (Norway) - 15 min

**Telemedicine in The Medical Center of the Southern Federal Area** – S.A. Pleskachov, M.Yu. Smetannikov, R.L. Krutko (Russia) – 15 min

**Impact of technology on solidarity in health care** – Th. de Vries (Netherlands) – 15 min

**The experience of practical telemedicine in the system of medical services for the patients from distant regions** – B.A. Kobrinsky, N V. Matveev, T Yu. Bodrova (Russia) – 15 min

## **GRAND CONCERT HALL OF HOTEL “COSMOS”**

**19<sup>00</sup> – 20<sup>30</sup>**

**Symposium 2**

**TELEMEDICINE IN HEALTH CARE PRACTICE**

**Chairmen: D. M. Lam, O.I. Orlov, V.F. Fyodorov**

Videoconference with Norway Center of Telemedicine

**19:00 - 19:15**  
S. Pedersen – 15 min

Videoconference with Partners Telemedicine, Boston, MA, USA

**19:00- 19:15**  
**Leading edge application of communications technologies in dermatology: the US perspective** - J. C. Kvedar – 15 min

Videoconference with East Carolina University, Greenville, NC, USA

**19:15-19:30**  
**19:30-20:00**  
**Teledermatology in Correctional Institutions** – Ch. Phillips – 15 min

**The experience of telepaediatrics in North Caroline** – R. Hoyer – 15 min

**Corporative and home telemedicine** – E.D. Avedyan, V.F. Fyodorov (Russia) – 10 min

**The experience of use of the computer-based system RST in regional telemedical network** – I.A. Pukhovets, G N. Perfilieva, I.A. Korznikov, N.V. Gorlov (Russia) – 10 min

**Organization and technical specificity of telemedicine in the Arctic and Antarctica** – Yu.I. Senkevich (Russia) – 10 min

**OCTOBER 27**

**GRAND CONCERT HALL OF HOTEL “COSMOS”**

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**9<sup>00</sup>-10<sup>30</sup>**

**Symposium 3**

**TELEMEDICINE IN HEALTH CARE PRACTICE I**

**Chairmen: I.V. Emelin, I.A. Pukhovets, V. L. Stolyar**

Videoconference with Centre for Online Health, Brisbane, Australia  
**eHealth in Australia** – R. Wotton - 30 min

**9<sup>00</sup>-9<sup>30</sup>**

**Medical robotics development and future** - D.M. Lam (USA) – 15 min

**The experience and the results of the use of telemedicine in clinical practice** - A.V. Vladzimirsky, D.K. Kalinovsky (Ukraine) – 15 min

**Telemedicine – technology and service** – M.Ya. Natenzon (Russia) – 15 min

**A semantic-based healthcare information infrastructure able to integrate medical information and eHealth services** - E. Della Valle, V. Perdoni (Italy) – 15 min

**OPTICS HOUSE**

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**9<sup>00</sup>-10<sup>30</sup>**

**Symposium**

**HEALTHCARE ECONOMICS AND MANAGEMENT**

**Chairmen: V.I. Kalinichenko, A.S. Pastukhov, A.V. Podoltsev.**

**Placing the municipal health care contracts in the conditions of limited financial resources** - V.I. Kalinichenko (Russia) – 20 min

**The information system of the ambulance service N 1** - A.V. Podoltsev (Russia) – 25 min

**Economical and legal factors influencing the expenses control management system in health care organizations** – V.P. Valkovich (Russia) -20 min

**Personal information system ‘Head Physician’** - A.S. Pastukhov (Russia) – 25 min

**11<sup>00</sup>-12<sup>30</sup>**

**Symposium**

**TELEMEDICINE IN HEALTH CARE PRACTICE II**

**Chairmen: A. V. Vlazimirskiy, S.E. Manankova-Bye, O. S. Medvedev**

**Eight-year experience of distance video consultations of newborn and one year infants with congenital heart malformations – L.A. Bokeria, V.L. Stolyar (Russia) - 15 min**

**Mobile technologies in health monitoring – O.S. Medvedev (Russia) - 15 min**

**System of satellite communication for telemedicine development in Russian Federation - Afanasyev A.N., Grigoryev A.I., Lukyashchenko V.I., Mykhin L.M., Rapoport S.I., Stepanov A.I. - 15 min**

**Telemedical services in health care system – O.I. Orlov (Russia) – 15 min**

**The development of portable decisions for mobile and home telemedicine – M.Yu. Andreev, O.V. Perevedentzev (Russia) – 15 min**

**Telemedical project in St-Petersburg – O.D. Dmitrienko, S.F. Bagnenko, A.D. Sotnikov, M.Yu. Plink, Yu.I. Senkevich (Russia) – 15 min.**

**13<sup>00</sup>-14<sup>30</sup>**

**Symposium**

**INFORMATION SYSTEMS AND DATA ANALYSIS III**

**Chairmen: T.V. Zarubina, V. Perdoni , M.A. Shifrin**

**Computer screening technologies to provide preventive measures in the health care system – V.M. Akutin, I.M. Vorontsov, V.V. Shapovalov, Yu M. Sherstyuk (Russia) – 15 min**

**The integral partner system: state of project – E.A. Vashchenko, M.A. Vitushko, A.N. Machinsky, I.I. Stenina, V.S. Pereverzev-Orlov (Russia) – 15 min**

**The methodology of complex IS medical establishments introduction – E.A. Berseneva (Russia) – 15 min**

**The operative control system for laboratory service in a scientific medical institution – L.R. L.R.Zakharova, B.A. Kobrinsky, V.S. Sukhorukov, N.E. Gorshkov (Russia) – 10 min**

**Emergency department information systems: application of medical informatics standards in emergency medicine - H. Ayatollahi, R. Rabiei (Iran) – 15 min**

**A computer system for medical toxicologist – Yu.N. Ostapenko, N.N. Litvinov, R.S. Khonelidze, A.N. Yelkov, A.B. Petrovskiy, M.Yu. Sternin (Russia) – 15 min**

**Automated radiology information system – A.V. Gavrilov (Russia) – 10 min**

**15<sup>00</sup>-16<sup>30</sup>**  
**Symposium**

**INFORMATION SYSTEMS AND DATA ANALYSIS IV**

**Chairmen: P.Ya. Dovgalevsky, V.A. Dyuk, A.S. Kiselyov**

**The possibilities of information technologies use in prevention and treatment of arterial hypertension - P.Ya. Dovgalevsky (Russia) – 15 min**

**MIS Intramed – the results of introduction in Research Medico-Surgery Center name by N.I. Pirogov – E.A. Berseneva, I.G. Antonova (Russia) – 15 min**

**Preliminary results of the studies on medical data formalization - Yu.A. Prokopchuk, O.A. Kharchenko (Ukraine) – 15 min**

**The problems of Clinico-experimental investigations – V.A. Dyuk (Russia) – 10 min**

**On the need to apply the criteria of evidence-based medicine in the quality assessment of the intelligent diagnostic systems – O.Yu. Rebrova (Russia) – 10 min**

**MedTrak and LabTrak – the first full-functional MIS in Russia – M.Yu. Bakhtin (Russia) – 15 min**

**The information systems in dermatology – V.I. Albanova, R.P. Ilonis, L.N. Sazykina, V.I. Nozdrin (Russia)- 10 min**

**17<sup>00</sup>-18<sup>00</sup>**

**Closing of the Conference**

**Chairmen: B.A. Kobrinsky, O.Yu. Mayiorov, A.P. Stolbov**

**Addresses of symposiums' chairmen**

**Discussion**

**Closing speech**