

Program

**The International Conference on Advanced Information and
Telemedicine Technologies for Health**

(AITTH'2005, November, 08-10, 2005, UIIP NASB, Surganova str., 6, Minsk, Belarus)

November, 08

Plenary session (Conference Hall,)

P I. MEDICAL IMAGE PROCESSING, MODELING AND TELEMEDICINE

Co-chairs: S. Ablameyko (Belarus), A. Klepatsky (ISTC), E. Beloenko (Belarus)

November, 08 2005	Time	Speakers	Report Title
	10.00 – 10.20	S. Ablameyko (Belarus) A. Klepatsky (ISTC, Belarus) E. Beloenko (Belarus) K. Gersonde (Germany)	Opening and plenary session
	10.20 – 11.00	Klaus Gersonde (Germany)	THE IMPLEMENTATION OF AN E-HEALTH PLATFORM IN GERMANY. THE FIRST STEPS ARE HEALTH CARD AND ELECTRONIC PRESCRIPTION
	11.00 – 11.30	Max A. Viergever (the Netherlands)	IMAGE REGISTRATION AND FUSION FOR DIAGNOSIS AND THERAPY
	11.30 – 12.00	Thomas M. Lehmann (Germany), Henning Müller (Switzerland), Qi Tian (Singapore), Nikolas P. Galatsanos (Greece), Daniel Mlynek (Switzerland)	AUGMENTED MEDICAL IMAGE MANAGEMENT
	12.00 – 12.30	Vassili Kovalev (United Kingdom)	STRUCTURAL CHANGES OF THE HUMAN BRAIN ASSOCIATED WITH NORMAL AGEING AND PATHOLOGICAL PROCESSES
	12.30 – 13.00	Masaomi Takizawa, Kenichi Koike, Sumio Murase, Sadako Kamiya (Japan)	TELEMEDICINE BY MULTI-IMAGE MODALITIES FOR PEDIATRIC DISEASES
	13.00 – 14.00	Lunch	

I. MEDICAL IMAGE AND SIGNAL PROCESSING AND RECOGNITION

(November, 08, Conference Hall)

Co-chairs: A.Tuzikov (Belarus), O.Salvetti (Italy)

November, 08 2005	14.00 – 14.30	S.Ablameyko (Belarus), S.Di Bona (Italy), I.Gurevich, I.Koryabkina, D.Murashov, A.Nefyodov (Russia), O.Salvetti (Italy), A.Trykova, I.Vorobjev (Russia)	TOWARDS AUTOMATED ANALYSIS OF CYTOLOGICAL AND HISTOLOGICAL SPECIMEN IMAGES
	14.30– 15.00	A.Belotserkovsky, A.Nedzved, S.Ablameyko (Belarus), I.Gurevich (Russia), O.Salvetti (Italy)	AUTOMATION OF PRELIMINARY HISTOLOGICAL DIAGNOSTICS OF ONCOLOGICAL DISEASES
	15.00 – 15.20	Colantonio S., Di Bono M.G., Salvetti O. (Italy)	DISEASE EVOLUTION PROGNOSIS BASED ON MULTI-SOURCE SIGNALS AND IMAGE ANALYSIS
	15.20 – 15.40	Ivo Iliev, Daniel Tsvetanov, Mikhail Matveev, Stefan Naydenov, Vessela Krasteva, Nikolay Mudrov (Bulgaria)	IMPLEMENTATION OF HIGH RESOLUTION WIRELESS ECG DATA ACQUISITION SYSTEM IN INTENSIVE CORONARY CARE UNIT
	15.40 – 16.00	Sara Colantonio, Davide Moroni, Ovidio Salvetti (Italy)	A METHODOLOGICAL APPROACH TO THE STUDY OF PERIODICALLY DEFORMING ANATOMICAL STRUCTURES
	16.00 – 16.30	Coffee-break	
	16.30 – 16.45	Zhuravlev Yu.I., Kuznetsova A.V., Ryazanov V.V., Senko O.V., Kropotov D.A., Mamayev V.B., Strelnikov A.N. (Russia)	MEDICAL APPLICATIONS OF PATTERN RECOGNITION METHODS
	16.45 – 17.00	Nedzved A., Ablameyko S. (Belarus), Uchida S. (Japan)	EXTRACTION OF NUCLEUS TOPOLOGY PROPERTIES IN CELL HISTOLOGICAL IMAGES
	17.00 – 17.15	Olga Popcova (Moldova)	AN IMAGE PROCESSING TOOL FOR ULTRASOUND DIAGNOSTICS
	17.15 – 17.30	Kundas S.P., Ivaniukovich V.A. (Belarus), Mukhametshina O.A. (Russia), Miron Yu.V. (Belarus)	IMAGE PREPARATION AT DIAGNOSIS OF THE MAMMARY GLAND NEOPLASM
	17.30 – 17.45	E. Titovets, T. Stepanova (Belarus)	MATHEMATICAL MODEL FOR CONVECTIVE MECHANISM OF BRAIN OXYGENATION AND EDEMA AND ITS CLINICAL IMPLICATIONS
	17.45 – 18.00	Evgeny Bovbel, Maxim Dashouk, Igor Kheidorov, Irina Lazareva (Belarus)	WAVELET-BASED DETECTION OF SHOCK RHYTHMS IN ECGS

19.00 – 22.00	Minsk City Council Hall	Opening Reception
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II. INFORMATION TECHNOLOGIES FOR FUNCTIONAL DIAGNOSTICS

(November, 08, room 206)

Co-chairs: Kharin Yu. (Belarus), Stankova E.N. (Russia)

November, 08 2005	14.00 – 14.30	Kharin Yu., Abramovich M., Kostevich A., Zhuk E. (Belarus)	DIAGNOSTICS OF THE CORONARY ISHEMIC DISEASE USING PARAMETRIC DISCRIMINANT ANALYSIS OF THE ACOUSTIC BLOOD FLOW SIGNALS
	14.30 – 14.45	Bogdanova O.A., Evlampiev A.A., Stankova E.N. (Russia)	EXPERIENCE AND PROSPECTS OF THE USE OF INFORMATION TECHNOLOGIES FOR THE COMPLEX SUPPORT OF THE HANDICAPPED PEOPLE
	14.45 – 15.00	Abramovich M., Belyakova N. (Belarus)	THE POTENTIAL OF ROBUST DISCRIMINANT ANALYSIS FOR DIAGNOSIS OF METASTATIC INVOLVEMENT OF REGIONAL LYMPH NODES IN SKIN MELANOMA PATIENTS
	15.00 – 15.15	Serikova E.V. (Belarus)	DIAGNOSTIC OF MALIGNANT NEOPLASM USING STEPWISE DISCRIMINANT PROCEDURE BASED ON INTERCLASS DISTANCE BEHAVIOR
	15.15 – 15.30	Bogush A.L., Snezhko E.V., Lushchik M.L. (Belarus)	VOLUME MEASUREMENT TECHNIQUES FOR 3D FREEHAND ULTRASOUND
	15.30 – 15.45	Gudkov V.G., Moroz A.G., Efimov A.V., Kolesnik A.Yu., Vatlin S.I. (Belarus)	DESIGN OF PROTOTYPE FOR STANDARDIZED AUTOMATIZED SYSTEM FOR STATE-RUN SURVEILLANCE OF EPIDEMIOLOGICALLY SIGNIFICANT OBJECTS
	15.45 – 16.00	Dmitry Svirsky (Belarus)	MEDICINE APPLICATION OF THE RAPID PROTOTYPING TECHNOLOGIES
	16.00 – 16.30	Coffee-break	
	16.30 – 16.45	Drivotinov B.V., Ban D.S. (Belarus)	COMPUTER TECHNOLOGIES IN THE PROGNOSIS OF THE MANUAL THERAPY RESULTS IN TREATING NEUROLOGICAL SYNDROMES OF LUMBAR DEGENERATIVE DISC DISEASE
	16.45 – 17.00	Greenberg A.S., Ivaniukovich V.A. (Belarus), Muchametshina O.A. (Russia)	INFORMATION MODEL OF HOMEOSTASIS
	17.00 – 17.15	Yury Chaikou, Igor Kheidorov (Belarus), Liming Chen (France)	HIERARCHICAL SPEAKER IDENTIFICATION FOR AUDIO MINING AND INDEXING
	17.15 – 17.30	A.S. Mastykin, B.V. Drivotinov, E.N. Apanel (Belarus)	ETIOPATHOGENESIS OF TRANSIENT ISCHEMIC ATTACKS (DISCRIMINANT ANALYSIS)
	17.30 – 17.45	A.S. Mastykin, E.N. Apanel, B.V. Drivotinov, I.P. Antonov (Belarus)	ETIOPATHOGENESIS OF TRANSIENT ISCHEMIC ATTACKS (FACTOR ANALYSIS)
	17.45 – 18.00	N. B. Oganian (Russia)	APPLICATION OF INFORMATION TECHNOLOGIES IN DENTISTRY

November, 09

ISTC session

(November, 09, Conference Hall)

Co-chairs: Aleinikova O.V. (Belarus), A. Klepatsky (ISTC)

November, 09 2005	9.00 – 9.15	Tom I.E., Krasko O.V., Zalesky B.A., Novoselova N.A., Suchkova A.P., Petrashko A.N., Sotikova E.E., Skrigan N.M., Potapnev M.P., Uglova T.A., Aleinikova O.V., Bydanov O.I. (Belarus)	THE INFORMATION ANALYTICAL SYSTEM FOR SUPPORT OF CHILDHOOD LEUKEMIAS TREATMENT
	9.15 – 9.30	Aleinikova O.V., Potapnev M.P., Uglova T.A. (Belarus), Welte K. (Germany), Tom I.E., Krasko O.V., Novoselova N.A. (Belarus)	PREDICTION THE OUTCOME OF INDUCTION THERAPY OF CHILDHOOD ACUTE MYELOID LEUKEMIA USING DECISION TREES MODEL
	9.30 – 9.45	Tom I.E., Krasko O.V., Novoselova N.A., Aleinikova O.V., Savva N.N., Belevtsev M.V. (Belarus)	DATA ANALYSIS AND MODELING THE RELAPSE PREDICT FOR CHILDREN WITH ACUTE LEUKEMIAS BASED ON PROGNOSTIC RISK FACTORS TO ENFORCE EFFICACY OF THERAPY
	9.45 – 10.00	Yuri Demidchik (Belarus)	LONG TERM RESULTS AND PROGNOSIS FOR PEDIATRIC PATIENTS WITH THYROID CANCER
	10.00 – 10.15	E.S. Kuropatenko, A.G. Zyryanov, L.A. Klimova, E.I. Cherepanova, N.P. Petrushkina, N.A. Koshurnikova, N.A. Kabirova (Russia)	HUMAN HEALTH EFFECTS OF RADIATION: CHILDREN REGISTER AND CHILDHOOD DEATHS RATES IN THE CITIES OF OZYORSK AND SNEZHINSK
	10.15 – 10.30	Victor Liakhouski, Sergey Rylkov, Armen Bogush, Alexander Tuzikov, Yury Demidchik, Valentina Drozd (Belarus)	TELEMEDICINE SYSTEM FOR IMAGE ANALYSIS AND CONSULTATION IN RADIATION INDUCED THYROID CANCER
	10.30 – 10.45	Khristich G.A., Savva N.N., Bydanov O.I., Sergeev E.A., Aleinikova O.V., Anishchanka U.V., Lapitsky U.A. (Belarus)	COMPUTER-AIDED SYSTEM FOR REGISTRATION OF FORMALIZED AND VISUALIZED DATA FOR THE PRIMARY DIAGNOSTIC COMPLEX OF THE MALIGNANT NEOPLASM
	10.45 – 11.00	Begun I.V., Kulaga V.V., Anishchanka U.V., Spiridonov S.V. (Belarus)	Computer-Aided Processing Ultrasonic Diagnostic Images of the Children Lymph Nodes at Lymphomas and Reactive Hyperplasias
	11.00 – 11.30	Coffee-break	
	11.30 – 11.45	Brokhman S.E., Eliseev E.V., Pluzhnikov A.A. (Russia)	DEVELOPMENT OF A HARDWARE-SOFTWARE SUITE FOR EARLY CANCER DETECTION AND PREDICTION BY COMPUTER-AIDED MORPHOMETRY
	11.45 – 12.00	Sergey S. Simakov, Alexander S. Kholodov, Alexey V. Evdokimov, Yaroslav A. Kholodov (Russia)	NUMERICAL SIMULATIONS OF CARDIOVASCULAR DISEASES AND GLOBAL MATTER TRANSPORT
	12.00 – 12.15	B.A. Zalesky (Belarus)	MATHEMATICAL PROGRAMMING TECHNIQUES TO COMPUTE GIBBS IMAGE ESTIMATORS
	12.15 – 12.30	A.Nedzved, A.Belotserkovsky, S.Ablameyko (Belarus)	DETECTION OF CELLS ORIENTATION FACTOR FOR CANCER DIAGNOSTICS
	12.30 – 12.40	Belevtsev M.V., Kulaga V.V., Spiridonov S.V., Savva N.N., Aleinikova O.V. (Belarus)	THE CHILDHOOD ACUTE LEUKEMIA AUTOMATIC CLASSIFICATION BASIC ON IMMUNOPHENOTYPING MARKER
	12.40 – 12.50	Kukharchik P. D., Liventseva M. M., Pachkouski Y. V. (Belarus)	ENTROPY AND DYNAMISM CRITERIA FOR HEART DISEASE DETECTION
	12.50 – 13.00	Novoselova N.A., Krasko O.V., Tom I.E. (Belarus)	INTERACTIVE DECISION TREE INDUCTION ALGORITHM WITH PRE-DISCRETIZATION OF CONTINUES-VALUED ATTRIBUTES
	13.00 – 14.00	Lunch	

III. HOSPITAL AND RADIOLOGICAL INFORMATION SYSTEMS

(November, 09, room 206)

Co-chairs: V.A. Lapitskii (Belarus), Yadulla I. Guliev (Russia)

November, 09 2005	9.00 – 9.15	O.R. Bereguljak, R.A. Vorobel, I.M. Zhuravel, I.B. Ivasenko, N.V. Opyr, K.V. Sushchik (Ukraine)	COMPUTER SYSTEM "NEGATOKOPE" FOR THE ANALYSIS OF RADIOGRAPHIC FILMS
	9.15 – 9.30	A.J. Vasiljev, K.V. Kushnir, L.I. Baranov (Russia)	EXPERIENCE OF THE ORGANIZATION OF SYSTEM PACS IN A VERSATILE HOSPITAL. PROFITS AND PROBLEMS
	9.30 – 9.45	A.J. Vasiljev, K.V. Kushnir, L.I. Baranov (Russia)	OPPORTUNITIES OF PICTURE ARCHIVING AND COMMUNICATION SYSTEM (PACS) TO PERFECTION OF QUALITY IN RADIOLOGY
	9.45 – 10.00	Sergei G. Yurchenko, Vladimir L. Malykh, Yadulla I. Guliev (Russia)	CONCEPTUAL MODELS FOR REPRESENTING INFORMATION IN HEALTHCARE INFORMATION SYSTEMS
	10.00 – 10.15	Yadulla I. Guliev (Russia)	INTEGRATED HEALTHCARE SYSTEMS: THEORY AND PRACTICE
	10.15 – 10.30	V. Goncharenko (Belarus), A. Kryvanos (Germany)	AN APPROACH TO PREOPERATIVE PLANNING OF PELVIC AND LOWER LIMBS SURGERY
	10.30 – 10.45	Anton V. Vladzimyrskiy (Ukraine)	EXPERIENCE OF TELECONSULTATIONS IN CLINICAL PRACTICE
	10.45 – 11.00	I.Adzericho, A.Vorobjev, A.Frolov, V.Krupenin, A.Elinski, O.Melnikova, V.Radhuk, V.Stankevich, V.Snezhicki	TELECOMMUNICATION ELECTROCARDIOGRAPHY: STATE, PROSPECTS
	11.00 – 11.30	Coffee-break	
	11.30 – 11.45	Viktor Valkovich, Vladimir Kalinichenko (Russia)	THE PROBLEMS OF METHODOLOGY OF CALCULATION OF MEDICAL SERVICES COST IN THE MODERN CONDITIONS OF RUSSIAN PUBLIC HEALTH FUNCTIONING
	11.45 – 12.00	V.D.Darovskih (Kyrgyz Republic)	INFORMATION SYSTEM OF THE INSTANT MNEMONIC BIOCONTROL AND CONTINUOUS MONITORING OF FUNCTIONAL ACTIVITY OF THE OPERATOR
	12.00 – 12.15	Koleshko V.M., Apanasevich A.V. (Belarus)	MODELING OF BRAIN WAVES AND CONTROLLING OBJECTS
	12.15 – 12.30	U.V. Anishchanka, S.V. Spiridonov, V.A. Lapitskii, L.I. Levshinskii, S.A. Avdeev (Belarus)	APPROACHES TO THE TOPOLOGICAL ESTIMATION OF THE ULTRASONIC IMAGES FOR IDENTIFICATION OF NEOPLASMS
	12.30 – 12.45	D. Mozheyko, A. Anishchanka (Belarus)	DEVELOPMENT INFORMATION SYSTEM FOR CLINICAL LABORATORIES AND ITS INTEGRATION INTO HIS
12.45 – 13.00	Chizhikov K., Anishchanka A. (Belarus)	METASYSTEM FOR MEDICAL STATISTICS	

IV. TELEMEDICINE, TELEDIAGNOSTICS AND INTERNET IN HEALTH MANAGEMENT

(November, 09, Conference Hall)

Co-chairs: Bogdanov A.V. (Russia), K. Gersonde (Germany)

November, 09 2005	14.00 – 14.15	Stephan Kiefer, Ilias Sachpazidis (Germany)	TELEMEDICINE FOR RURAL AND REMOTE REGIONS, OPTIMIZING HEALTH CARE RESOURCES BY TELEHEALTH PLATFORMS, AN EXAMPLE FROM LATIN-AMERICA
	14.15 – 14.30	Amiya Kumar Maji, Jayanta Mukhopadhyay (India)	TELEMEDIK WEB: AN APPROACH TO INTEGRATE TELEMEDICINE WITH HOSPITAL INFORMATION SYSTEM
	14.30 – 14.45	G. Grasczew, T.A. Roelofs, S. Rakowsky, P.M. Schlag (Germany)	VEMH – VIRTUAL EURO-MEDITERRANEAN HOSPITAL AS A TOOL TO IMPROVE HEALTHCARE
	14.45 – 15.00	Volker Paul (Germany)	DATA PROTECTION ISSUES AND SOLUTIONS IN NON-ADDRESSED MESSAGING SZENARIOS
	15.00 – 15.15	Celebic A., Sarcevic A., Milovanovic Z., Radojevic S., Celebic O., Stojiljkovic D., Miletic N., Inic M., Dzodic R. (Serbia and Montenegro)	TELEMEDICINE – TELESURGERY. BASIC PRINCIPLES AND FEASIBILITY IN SURGERY AND ONCOLOGY CLINICAL AND TECHNICAL CHALLENGES
	15.15 – 15.30	Bogdanov A.V., Degtyarev A.B., Nechaev Yu.I., Valdenberg A.V. (Russia)	CARDIOLOGIC TELEMEDICINE SYSTEM ON THE BASIS OF HIGH PERFORMANCE CLUSTER "SKIF": CONCEPT AND APPLICATION
	15.30 – 15.45	Natallia Fedartsova, Siargey Zhavaranak (Belarus), Noboru Takamura, Shunichi Yamashita (Japan)	MEDICAL EDUCATION AND E-HEALTH IN GOMEL REGION
	15.45 – 16.00	S.M. Poliakov (Belarus)	MAIN DIRECTIONS OF HEALTH CARE INFORMATIZATION AND TELEMEDICINE DEVELOPMENT IN BELARUS
16.00 – 16.30	Coffee-break		

V. ICT IN GASTROENTEROLOGY

(November, 09, Conference Hall)

Co-chairs: Marakhouski Y.Kh. (Belarus), Lyakh O. (Belarus), I.Gurevich (Russia)

November, 09 2005	16.30 – 16.45	Platohkin E., Borsuk D. (Belarus) <i>(On-line Teleconsultation: Minsk-Gomel)</i>	SOME PROBLEMS OF DIAGNOSTICS AND TREATMENT OF GASTROINTESTINAL BLEEDINGS IN A CARDIOLOGICAL HOSPITAL
	16.45 – 17.00	Marakhouski Y.Kh. (Belarus), Ohman C. (Germany)	TELECOMMUNICATION INFORMATION TECHNOLOGY FOR QUALITY ASSURANCE AT AN ABDOMINAL PAIN: EVALUATION THE MULTINATIONAL EXPERIENCE BY THE PROJECT EURO-AAP ON ACCURACY FOR CLINICAL PRACTICE
	17.00 – 17.15	Alexander Gurevich, Nikolay Gurevich, Igor Zakharov, Valery Starovoitov (Belarus)	INTELLENT SYSTEM FOR VERIFICATION OF THE DIAGNOSIS FROM ENDOSURGICAL IMAGES
	17.15 – 17.30	Fedoruk A.M., Tretjak S.I. (Belarus)	SCALE OF ACUTE PANCREATITIS SEVERITY AND PROGNOSIS BASED ON THE ANALYSIS OF ULTRASOUND IMAGES
	17.30 – 17.45	Lyakh O. (Belarus)	MAIN DIRECTIONS OF THE ENDOSCOPIC SERVICE INFORMATION SYSTEM DEVELOPMENT IN THE REPUBLIC OF BELARUS
	17.45 – 18.00	G.I. Korotkaya, G.E. Solomonov, I.A. Gurevich, O.M. Lyakh (Belarus)	EXPERIENCE OF THE INFORMATION TECHNOLOGIES APPLICATION AT THE ENDOSCOPIC DEPARTMENT

VI. DECISION SUPPORT SYSTEM, KNOWLEDGE BASES, MEDICAL DATABASES AND REGISTERS

(November, 09, room 206)

Co-chairs: Levin G.M. (Belarus), Victor Papanaga (Moldova)

November, 09 2005	14.00 – 14.15	Kalinovsky D.K., Matros-Taranets I.N., Gurianov V.G., Chengar O.V. (Ukraine)	THE POSSIBLE USE OF ARTIFICIAL NEURAL NETWORKS IN PREDICTION OF LOWER JAW FRACTURE RESULTS
	14.15 – 14.30	Kalinovsky D.K. (Ukraine)	TELECONSULTATION IN MAXILLO-FACIAL SURGERY AND STOMATOLOGY: THE FIRST POSITIVE EXPERIENCE, BEST PRACTICE MODEL
	14.30 – 14.45	Victor Papanaga (Moldova)	ULTRASOUND DECISION SUPPORT SYSTEM INFORMATION MODEL
	14.45 – 15.00	Elena Ribac, Svetlana Cojocar, Constantin Gaidric, Sergiu Puiu, Vasile Turcanu (Moldova)	THE PROCESS OF DESIGNING AND IMPLEMENTING THE EXAMINATION SUPPORT IN SONOGRAPHIC INVESTIGATIONS
	15.00 – 15.15	Iulian Secrieru, Danil Sologub (Moldova)	PRINCIPLES OF CREATION OF KNOWLEDGE ACQUISITION MODULE EXPSHELL
	15.15 – 15.30	Lambin L.N., Levin G.M., Suvorov A.G., Tokarevich I.V. (Belarus)	A METHOD FOR CEPHALOGRAM LANDMARKS POSITION FORECASTING
	15.30 – 15.45	Lambin L.N., Levin G.M., Tokarevich I.V. (Belarus)	A DECISION SUPPORT SYSTEM FOR DIAGNOSTICS AND TREATMENT PLANNING IN ORTHODONTICS
	15.45 – 16.00	D.S. Nikitov, V.E. Antciperov, V.E. Perminov, N.V. Ponomarev, S.A. Nikitov (Russia)	TELEMEDICINE REMOTE CONSULTATION AND DECISION SUPPORT SYSTEMS FOR THE PURPOSES OF ONCOLOGICAL PATHOLOGY
	16.00 – 16.30	Coffee-break	
	16.30 – 16.45	Tkachuk N.A., Veretelnyk Y.V., Tkachuk N.N. (Ukraine)	GENERALIZED PARAMETRICAL APPROACH TO RESEARCH OF BIOMECHANICAL SYSTEMS ELEMENTS
	16.45 – 17.00	Veretelnyk Y.V., Radchenko V.A., Shmanko A.P. (Ukraine)	THE STRESSEDLY-DEFORMED STATE AUTOMATED ANALYSIS SYSTEM OF THE IMPLANTS USED IN SPINE RECONSTRUCTION-RESTORATION OPERATIONS
	17.00 – 17.15	Alexander Zabolotniy (Russia)	THE FORMATION OF THE MEDICAL DATA BANK OF THE OPHTHALMOLOGIC SERVICES STANDARDIZATION WHILE THE DEVELOPMENT OF THE INTEGRATED OPHTHALMOLOGIC AID QUALITY CONTROL SYSTEM
	17.15 – 17.30	Gladun A., Rogushina J. (Ukraine)	KNOWLEDGE MANAGEMENT IN THE CLINICAL MULTIAGENT INFORMATION SYSTEM
	17.30 – 17.40	Iryna Kulinich (Ukraine)	USING THE PROGRAM «STATISTICA» FOR PROCESSING RESULT STUDIES IN MEDICINE AND BIOLOGY
	17.40 – 17.50	Khristich G.A., Savva N.N., Bydanov O.I., Sergeev E.A., Aleinikova O.V., Anishchanka U.V. (Belarus)	DYNAMIC WEB-SERVER OF THE PRIMARY DIAGNOSTIC COMPLEX VISUALIZED DATA FOR CASES OF MALIGNANT NEOPLASMS IN CHILDREN, INCLUDING THE SECTIONS AND REFERENCES TO THE BIOLOGICAL OBJECTS IMAGES ATLAS
17.50 – 18.00	U.V. Anishchanka, N.N. Paramonov (Belarus)	E-READINESS AND E-HEALTH INDICATORS	
18.15 – 21.15	Dinner	Cafe Versailles	
19.00 – 22.00	Palace of the Republic	Ballet. P.Tchaikovsky. Swan Lake. The Big Theatre.	

November, 10

VII. VIRTUAL HOSPITALS, DOCTORS, INSTRUMENTS

(November, 10, room 206)

Co-chairs: Savva N.N. (Belarus), Vladimir Kalinichenko (Russia)

November, 10 2005	9.00 – 9.15	O.H.Nakonechny, V.P.Martsenyuk (Ukraine)	SOFTWARE ENVIRONMENT SUPPORTING MEDICAL SYSTEM RESEARCHES BASED ON POPULATION DYNAMICS MODELS
	9.15 – 9.30	Volodymyr Korsunsky, Volodymyr Romanov, Mykola Starodub, Igor Voytovych (Ukraine)	AUTOMATED OPTOELECTRONIC SENSORS FOR MEDICINE AND BIOLOGY
	9.30 – 9.45	Vladimir Kalinichenko (Russia)	MEDICAL CARE ADMINISTRATION ON THE BASIS OF MEDICAL TECHNOLOGICAL STANDARDS
	9.45 – 10.00	Alexey Kalinichenko (Russia)	MEDICAL PROVISION MANAGEMENT BASED ON FORMULARY SYSTEM AND MODELS OF THE MEDICAL SERVICE
	10.00 – 10.15	Andreeva, V. Rafalski, O. Stetsiouk, V. Kostin, B. Makushkin, A. Andreev (Russia)	E-LEARNING AS POSSIBLE WAY OF POST-GRADUATE EDUCATION FOR MEDICAL PROFESSIONALS IN RUSSIA AND BEYOND: THE EXPERIENCE IN DEVELOPMENT OF DISTANCE EDUCATION COURSES ON ANTIMICROBIAL THERAPY
	10.15 – 10.30	Andreeva, V. Rafalski, O. Stetsiouk, Y. Belkova, A. Andreev (Russia)	INFECTIONS, MICROBIOLOGY AND ANTIMICROBIAL THERAPY – WEB-SITE "ANTIBIOTICS AND ANTIMICROBIAL THERAPY" (WWW.ANTIBIOTIC.RU) FOR HEALTHCARE PROFESSIONALS AND CONSUMERS
	10.30 – 10.40	Daniel Kalinichenko (Russia)	MANAGEMENT OF MEDICINAL PRODUCTS USING "ABC", "VEN" AND "XYZ" ANALYSIS
	10.40 – 10.50	Liudmila Kalinichenko (Russia)	CONSECUTIVE INTRODUCTION OF POLYCLINIC CONTROL SYSTEM
	10.50 – 11.00	Harnovskaya I.I. Gorodetskaya I.V. (Belarus)	MULTIMEDIA TO SUPPORT TEACHING AND LEARNING IN MEDICAL SCHOOL: FUNCTIONS, EVALUATION AND PERSPECTIVES FOR DISTANT LEARNING
	11.00 – 11.30	Coffee-break	
	11.30 – 11.45	Ananda Resmi S, V.P. Dinesh Kumar, James Chacko, Antony Joseph Thoppil, P.S. John, Tessamma Thomas (India)	A NOVEL COMPUTER ASSISTED TECHNIQUE FOR PEDICLE SCREW INSERTION
	11.45 – 12.00	R. Sivakumar (India)	EFFECT OF RATE OF STIMULATION ON TVEP: A COMPARATIVE STUDY USING MAGNITUDE AND PHASE SPECTRAL ANALYSIS
	12.00 – 12.10	Igor A. Pukhovec, Galina N. Perfileva, Igor A. Korznikov, Nikolai V. Gorlov (Russia)	PERINATAL TELEAUDIT AS A LEADING ELEMENT OF AUTOMATED CONTROL SYSTEM OF THE MATERNITY OBSTETRIC SERVICE AT A REGIONAL LEVEL (By the example of Altai Region)
	12.10 – 12.20	Kamilova N.M., Sultanova I. A., Magalov I.Sh., Kurbanova N.G. (Azerbaijan)	MODERN INFORMATIONAL TECHNOLOGIES IN PREDICTION OF PERINATAL PATHOLOGY
	12.20 – 12.30	B.N. Filatov, M.D., E.V. Bulanova (Russia)	DEPHOS – PROGRAM ON RECOGNITION OF CHEMICALS RESPONSIBLE FOR ACUTE POISONINGS
	12.30 – 12.40	B.N. Filatov, M.D., O.N. Plaksina (Russia)	DERMATOX – PROGRAM FOR DIFFERENTIAL DIAGNOSIS OF SKIN INTEGUMENT LESIONS
12.40 – 12.50	Gracheva Tatiana (Russia)	QUESTIONS OF THE STANDARDS OF AN ELECTRON OUT-PATIENT CARD	
12.50 – 13.00	Zinaida Todoroi, Dumitru Todoroi, Diana Micușa (Moldova)	ADAPTABLE PROCESSORS-COMPILERS. FIRST DEVELOPMENT	

P II. MEDICAL IMAGE PROCESSING, MODELING AND TELEMEDICINE

Plenary session (November, 10, Conference Hall)

Co-chairs: S.Ablameyko (Belarus) (Belarus), Jacob Palme (Sweden)

November, 10 2005	9.00 – 9.30	Esa Smedberg (Sweden)	COMMUNICATION ON LEARNING OBSTACLES, SETBACKS AND INCENTIVES IN A VIRTUAL HEALTH-COMMUNITY ON OVERWEIGHT
	9.30 – 9.50	Ghenadie Lipin, Dmitri Lipin (Moldova)	THE FORMATION OF THE SYSTEM OF ADMINISTRATION OF MEDICAL TELEMETICS RESOURCES IN MOLDOVA
	9.50 – 10.10	M. Ciocanu, A. Rosioru, P. Crudu, G. Spataru, C. Jaloba, C. Bogatov (Moldova)	STRATEGY FOR DEVELOPMENT OF THE INTEGRATED MEDICAL INFORMATIONAL SYSTEM IN REPUBLIC OF MOLDOVA
	10.10 – 10.35	Krassimir Atanassov, Mikhail Matveev (Bulgaria), Anthony Shannon (Australia), Violeta Tasseva (Bulgaria)	INFORMATION MODEL OF WORKFLOW AND RESOURCES IN GENERAL HOSPITAL
	10.35 – 11.00	Jacob Palme, Gunborg Palme (Sweden)	MULTI-LINGUAL CONTENT MANAGEMENT
	11.00 – 11.30	Coffee-break	
	11.30 – 12.00	Agnieszka Kitlas, Edward Oczeretko, Marta Borowska, Marek Kowalewski, Wiesław Półjanowicz, Mirosława Urban (Poland)	APPROXIMATE ENTROPY IN ANALYSIS OF THE HEART RATE VARIABILITY
	12.00 – 12.30	Michelle Finnegan, Peter Manser (England)	PATIENT CONFIDENTIALITY AND INTER AGENCY WORKING WITHIN A MENTAL HEALTH TRUST
	12.30 – 13.00	S. Karas (Russia)	METHODOLOGY OF KNOWLEDGE STRUCTURE RESEARCH IN WEAKLY FORMALIZED MEDICINE AREAS
13.00 – 14.00	Lunch		

VIII. HEMORHEOLOGY, MICROCIRCULATION AND ADVANCED COMPUTER TECHNOLOGIES

Plenary session (November, 10, Conference Hall)

Co-chairs: Nadia Antonova (Bulgaria), E.V. Roitman (Russia)

November, 10 2005	14.00 – 14.30	Nadia Antonova (Bulgaria)	DATA ACQUISITION SYSTEM FROM THE ROTATIONAL VISCOMETER LS30 CONTRAVES FOR BLOOD ELECTORRHEOLOGICAL PROPERTIES
	14.30 – 14.50	Startseva J.B., Sulimova N.A., Con Y.M., Cherkasov B.A., Gasparyan L.A. (Russia)	MICROCIRCULATORY BED DISTURBANCES IN PATIENTS WITH ONCOPATHOLOGY: AVAILABLE DIAGNOSTIC METHODS IN VIVO
	14.50 – 15.10	E.V. Roitman (Russia)	THE PRESENT AND THE FUTURE OF THE USE OF INFORMATION TECHNOLOGIES IN CLINICAL HEMOSTASIOLOGY AND HEMORHEPLOGY
	15.10 – 15.30	Elena Konstantinova, Lilia Ivanova, Uladzimir Anishchanka, Vladimir Lapitskii, Leonid Levshinskii, Vjatcheslav Trukhan (Belarus)	STUDY OF MICROCIRCULATION IN ARTERIAL HYPERTENSION ANF ISCHEMIC HEART DISEASE USING CONJUNCTIVAL BIOMICROSCOPY WITH QUANTITATIVE IMAGES EVALUATION
	15.30 – 16.00	Coffee-break	

P III. Plenary closing session

(November, 10, Conference Hall)

Co-chairs: S. Ablameyko (Belarus), E. Beloenko (Belarus)

November, 10	16.00 – 17.00	GENERAL DISCUSSION	
	17.00 – 18.00	SUMMARIZING AND CLOSING	