

ROMEDINF 2014
SMART HEALTHCARE FOR SMART PEOPLE
4-5 June 2014

under the high patronage of Acad. Ioanel SINESCU, Rector of UMF "Carol Davila"
Honorary president Prof. Anca Doina PLEȘCA, Dean of Faculty of Medicine

**Romanian Society of Medical Informatics and
University of Medicine and Pharmacy „Carol Davila” from Bucharest**

Wednesday, 4-th of June 2014

9.00-9.30	Opening ceremony	
9.30-10.00	Keynote Lăcrămioara STOICU-TIVADAR Simona DRĂGAN	New Tools for Healthcare Education
	Session 1	DATA ANALYSIS AND RESEARCH
10.00-10.20	Keynote Gheorghe I. MIHALAS	Towards a Realistic Vision for a Coherent e-Health Strategy in Romania
10.20-10.30	Sorin SOVIANY, Sorin PUSCOCI	A Multi-level Security Architecture for Medical Data Protection
10.30-10.40	Mirela FRANDEȘ	Diabetes Patients Monitoring Approach Based on Clustering and Stream Pattern Mining
10.40-10.50	Cristina CREANGĂ, Laura LĂCĂTUȘU, Diana-Maria ANASTASIU, Diana LUNGEANU	Validation of Scoring Instruments in Obstetrics-Gynecology
10.50-11.00	Daniela R. ROTARIU, Mihaela SIMU, Diana LUNGEANU	Multiple Sclerosis: a Systematic Review of Current and Future Directions in Treatment
11.00-11.20	Coffee break	
11.20-11.40	Keynote Gabriela GEORGESCU, Ileana COJOCARU, Iuliana POPOVICI, Laura PALADE, Magdalena BÎRSAN	Important ANOVA tests in research into the development of compressed bioadhesive vaginal 5-fluorouracil

11.40-11.50	Marius RAC-ALBU, Luminita ILIUTA, Madalina RAC-ALBU, Nirvana POPESCU	Predictive model for hypertension and arrhythmia risk. Correlation with food constituents
11.50-12.00	V.L PURCAREA, I.R GHEORGHE, C.M GHEORGHE	The relevance of sample size in Biostatistics
12.00-12.10	Ovidiu JUPANEANT, Gabriella HEGYI, Corina ȘERBAN, Anca TUDOR, Simona DRĂGAN	Comparative study on Complementary and Alternative Medicine (CAM) use by patients in Romania and Hungary
12.10-12.20	Anca E. DEIAC, Gabriel S. POP, Ana O. POROJAN, Mirela FRANDEȘ, Bogdan TIMAR, Diana LUNGEANU	Developing Instruments for Assessing Mobile Technology Acceptability in Healthcare: Validation and Reliability Study
12.20-12.30	Călin AVRAM	Using The Formal Models In Medicine
12.30-12.40	Jon SFERA	Patient-Doctor Communication Service
12.40-13.45	Lunch	
13.45-14.45	RSMI Meeting	
14.45-15.15	eRAD	Conference partner presentation
15.15-15.30	Demo eRAD	
15.30-16.00	Coffee break	
	Session 2	EDUCATION IN BIOMEDICAL INFORMATICS
16.00-16.30	Marius MĂRUȘTERI, Marius PETRIȘOR, Peter OLAH, Vlad BACĂREA, Klara BRÎNZANIUC	The Design and Implementation of an Innovative Virtual Multitouch and 2D/3D Environment for Human Anatomy Laboratories
	Marius MĂRUȘTERI, Marius PETRIȘOR, Peter OLAH, Vlad BACĂREA, Klara BRÎNZANIUC	Innovative approaches in the design and development of the RoELME educational platform and its use in the medical education
16.30-16.40	Lăcrimioara STOICU-TIVADAR, Vasile STOICU-TIVADAR, Dorin BERIAN	eduCRATE - A Virtual Hospital Infrastructure based on medical guidelines and cloud computing
16.40-16.50	Alexandru ȘERBAN, Irina BAN, Corina ȘERBAN, Simona DRĂGAN	eduCRATE- A Virtual Hospital for case-based Medical Education
16.50-17.00	Rodica DIMITRIU, Călin MUNTEAN, Mirela PANTAZI, Paul MATACHE, Tudor M.I DIMITRIU, Diana LUNGEANU	Innovative Use of the Public Internet Services to Support Education
17.00-17.10	Marius PETRIȘOR, Peter OLAH, Klara BRÎNZANIUC, Dana GHIGA, Marius MĂRUȘTERI	Innovative fraud prevention in advanced online assessment
17.10-17.20	Bogdan TIMAR, Mirela FRANDES, Lavinia MOLERIU, Nancy LUCA-GOMBOS, Corina VERNIC, Diana LUNGEANU	Case-Based Learning and Teaching in Medical Biostatistics
17.20-17.30	Bogdan TIMAR, Diana LUNGEANU, Corina V. VERNIC	Blended-Learning: Approach Developed with a Group of Medical Students and Professors
17.30-17.40	Bogdana VIRGOLICI, Elena Daniela CASARIU, Horia VIRGOLICI, Maria MOHORA, Victor Lorin PURCAREA	A pilot study concerning the rule 5-2-1-0 in childhood obesity
17.40-17.50	Minodora ANDOR, Anca TUDOR, Sorin PARALESCU, George	Interdisciplinary Index: Application for Bioinformatics

	I. MIHALAS	
17.50-18.00	Ciprian-Bogdan CHIRILA	Generative Learning Objects in Biomedical Informatics
18.00-18.15	Virgil Enatescu, Virgil Radu Enatescu	The Medical Informatics Perspective in the Nearby Future
	Session 3 (parallel)	INFORMATICS IN NURSING
16.00-16.20	Keynote Ioana Moisil, Liana BERA	Romanian Nursing Informatics – from dreams to reality
16.20-16.30	Gabriela GEORGESCU	Community Care and Nursing Home
16.30-16.40	Corina V VERNIC	Medical informatics: current education programs in nursing
16.40-16.50	Marilena CHEPTEA, Anton BERESCHI, Georgia CIREBEA, Irina DAVID, Ioana MAGEARU, Mihaela SÎRBU, Lidia LOVASZ, Anna Maria MARTON, Florina NAZARIE, Corina VERNIC	Customizing computing platforms simultaneously with measures and actions in order to improve data management system and medical information, at the Institute of Oncology "Prof.dr.I.Chiricuța" in Cluj-Napoca
18.30-20.30	Get together party	
	Thursday, 5th June 2014	
	Session 4	INTEROPERABILITY AND EHR
9.00-9.20	Keynote Daniel–Alexandru JURCĂU, Vasile STOICU–TIVADAR	Modern Technologies for Improving Interoperability in Health Information Systems
9.20-9.30	Madalina RAC-ALBU, Decebal POPESCU, Luminita ILIUTA, Floarea NĂSTASE	Interoperability in medical system –an easy way for the patient
9.30-9.40	Oana LUPȘE, Mihaela CRIȘAN-VIDA, Lăcrămioara STOICU-TIVADAR, Elena BERNAD	Managing diagnosis and treatments in medical area with Big Data technology
9.40-9.50	Mircea Focșa	Are we ready for the Digital Patient?
9.50-10.00	Ionut BARBU, Tatiana BUICA, Leonard MADA	Improving Healthcare Data Accessibility Using Mobile Devices
10.00-10.10	Leonard MADA, Adina BRANICI, Tatiana BUICA, Ionut BARBU, Dan DOBRESCU	Usage of mobile medical applications in primary health care in Romania
10.10-10.20	Condurache Ilie-Andrei	Possible interactive software could help surgeons in developing doctor-patient communication
10.20-10.30	Stanculescu Mihail-Sergiu	Interoperability - HL7, ontologies & beyond
10.30-10.40	Valentina Olaru	Cost-effective access to world class Hospital Information Systems, through Cloud.
10.40-11.00	Coffee break	
	Session 5	MEDICAL IMAGING, SIGNAL PROCESSING
11.00-11.20	Keynote Luminita ILIUTA, Marius RAC-ALBU, Eugenia PANAITESCU, Madalina RAC-ALBU	Perioperative Echocardiography Indications in Mitral Valve Surgery Depending on the Cost-Benefit Report
11.20-11.30	Mirela FRANDEȘ, Andreas ZOGLAUER, Oana VĂTĂMANU,	Image Reconstruction Approaches for Inversion of Compton Scattering Data in Hadron

	Diana LUNGEANU	Therapy
11.30-11.40	Mihaela IONESCU, Alin IONESCU, Oana VATAMANU, Gheorghe-loan MIHALAS, Cristin VERE	Motion analysis for building lesion sequences in wireless capsule endoscopy videos
11.40-11.50	Ioan VIRAG	Augmented reality application for medical diagnosis and training
11.50-12.00	Radu M. NEGOESCU	ECG QT-Interval's Beat-by-beat Variability Studied by Spectral Techniques. A Review of Clinical Applications
12.00-13.00	Lunch	
	Session 6	WIRELESS DEVICES, SENSORS
13.00-13.10	Keynote Cristian ROTARIU, Ciprian CRISTEA	Wireless Sensors Network for Bioimpedance Measurements
13.10-13.20	Marius MĂRUȘTERI, Marius PETRIȘOR, PeteOLAH r, Klara BRÎNZANIUC, Vlad BACÂREA	Using the new portable/wireless EEG devices – a step toward the "next-generation" of non-invasive Brain Computer Interfaces
13.20-13.30	Norbert GAL, Vasile STOICU-TIVADAR, Diana ANDREI, Dan Ion NEMEȘ, Emanuela NĂDĂȘAN	Intelligent 3D sensor for monitoring medical rehabilitation progress of polyarthritis and post-traumatic lesions
13.30-13.40	Cristian CAZAC	Telesurgery in Romania, an interdisciplinary approach to solving the doctor deficit
13.40-13.50	Elena POENARU, Traian CONSTANTIN, Calin POENARU, Eugenia PANAITESCU, Maria-Magdalena CONSTANTIN	A Feasibility Study for Applications of Telemedicine in Dermatovenereology
13.50-14.00	Alexandra TOLE, Bogdan TIMAR, Stefan HOLBAN, Diana LUNGEANU	Developing a Smartphone-Based Decision Support Application for Emergency Intervention in Diabetic Ketoacidosis
	Session 7	DENTAL INFORMATICS
14.00-14.20	Keynote Dragoș Smăărăndescu, Anca-Otilia Ciopașiu, Elena Podoleanu	CAD analysis for guided preparations
14.20-14.30	Lucian-Ștefan MITROI, Ionuț-Adrian CHIRIAC, Elena PODOLEANU	Portable devices and modern ICTs impact on dentist-patient relationship in Romania – an overview
14.30-14.40	Dragoș SMĂRĂNDESCU, Anca-Otilia CIOPAȘIU, Elena PODOLEANU	Photo editing for Digital Smile Design
14.40-14.50	Mihaela Adina DUMITRACHE, Ionela Ruxandra SFEATCU, Loredana DUMITRASCU, Mona Corina BUZEA, Cristian FUNIERU, Mariana CARAMIDA	"Cariogram", a multifactorial risk assessment model
14.50-15.00	Cristina Gena DASCĂLU, Georgeta ZEGAN	Is MCQ an objective method for students assessment in dental medicine? A retrospective study
15.00-15.30	Closing ceremony, prizes	