

Monday 25.09.2006		
8:00	PARTICIPANTS REGISTRATION	
10:00	OPENING OF THE CONFERENCE – ROOM A	
INVITED LECTURES – ROOM A <i>Moderator: Prof. dr hab. inż. Juliusz L. Kulikowski</i>		
10:30	New technology for medical imaging: automatic understanding of the image content <i>Prof. dr hab. inż. Ryszard Tadeusiewicz</i>	
11:15	COFFEE BREAK	
11:30	Time-frequency and topographic analysis of signals <i>Prof. dr hab. Katarzyna Cieślak–Blinowska</i>	
12:15	BREAK	
Image processing and CAD – ROOM A <i>Chair: prof. dr hab. inż. R. Tadeusiewicz</i>		
12:20	Application of morphological spectra to computer-aided analysis of textures <i>J. L. Kulikowski, M. Przytułska, D. Wierzbicka</i>	
12:40	Remarks on quantitative analysis of medical radiology images <i>M. Berndt-Schreiber, T. Kazimierczak</i>	
13:00	LUNCH	
	Image processing and CAD – ROOM A <i>Chair: prof. dr hab. inż. W. Torbicz, dr inż. T. Przybyła</i>	Signal processing – ROOM B <i>Chair: prof. dr hab. K. Blinowska, dr inż. A. Gacek</i>
14:00	Acute ischemic stroke: enhanced display of hypodense changes in CT exams <i>A. Przelaskowski, P. Bargieł, K. Sklinda, J. Walecki</i>	Localization of electrical activity in the brain <i>Z. Dunajski, T. Pałko</i>
14:20	Kernelized Fuzzy C-Means method in segmentation of demyelination plaques in Multiple Sclerosis <i>J. Kawa, E. Pietka</i>	Transmission of information during continuous attention test <i>R. Kuś, K. J. Blinowska, A. Basińska-Starzycka</i>
14:40	CABRS - cellular automaton based MRI brain segmentation <i>R. H. Kartaszyński, P. Mikołajczak</i>	Intelligent feature extraction in fetal heart rate signal <i>P. Łabaj, J. Jeżewski, R. Winiarczyk, M. Jeżewski, J. Wróbel, A. Gacek</i>
15:00	Validity of MRI brain perfusion imaging method <i>B. Karczewski, J. Rumiński</i>	Application of neural networks for prediction of fetal outcome <i>M. Jeżewski, N. Henzel, J. Wróbel, P. Łabaj,</i>

		<i>K. Horoba, A. Matonia</i>
15:20	The proposed system for orthodontic surgery <i>P. Kowalski</i>	An application of robust filters in ECG signal processing <i>T. Pander</i>
15:40	The development of methods for quantitative clinical assessment of the fracture healing <i>W. Glinkowski, J. Żyłkowski, A. Wojciechowski, A. Górecki</i>	Parameters estimation for digital non-linear filters using neuro-fuzzy system <i>R. Czabański, T. Pander</i>
16:00	COFFEE BREAK	
	Image processing and CAD – ROOM A <i>Chair: prof. dr hab. inż. J. Ober, dr inż. R. Czabański</i>	Signal processing ECG – ROOM B <i>Chair: prof. dr hab. inż. Z. Dunajski, dr inż. J. Jezewski</i>
16:20	The Hough transform and active contours in segmentation of cytological images <i>M. Hrebień, P. Steć</i>	Evaluation of electrical cardiac memory induction during non-invasive coronary stimulation test <i>F. Prochaczek, I. Kowalska, A. Orzeł, A. Owczarek, J. Gałeczka</i>
16:40	3D visualization of segmented cruciate ligaments <i>P. Badura</i>	Analysis of the agreement of cavascreen system diagnostic suggestions with the real clinical state of a patient <i>A. Sobotnicki, P. Gibiński, S. Hein, A. Gacek, L. Puchalska, G. Bielkonia, T. Pałko, E. Piątkowska-Janko</i>
17:00	Automatic registration and merging of 3D surface scans of human head <i>A. Tomaka, K. Skabek</i>	The 6-minutes walk test on the treadmill controlled by a patient's walk <i>Z. Szczurek, F. Prochaczek, J. Brandt, P. Kowalski, K. Świda, A. Curyło, A. Michnik</i>
17:20	Applications of image registration in parametric imaging <i>J. Rumiński, M. Suchowirski</i>	Optimal leads selection for ischemia diagnosis <i>M. Kania, M. Fereniec, R. Maniewski</i>
17:40	Iris finder - program for reliable iris localization in images taken under visible light <i>W. Sankowski, K. Grabowski, M. Zubert, M. Napieralska</i>	Application of dynamic time warping to ECG processing <i>M. Kotas</i>
18:00	Representation of symptoms and evidence in diagnosis support <i>E. Straszecka</i>	Empirical bayesian averaging of biomedical signals <i>A. Momot, M. Momot, J. Łęski</i>
18:20	Hybrid fuzzy clustering method <i>T. Przybyła</i>	Bayesian approach to classifier design with application to qrs detection in ECG signal <i>M. Momot, A. Momot</i>
19:30	GALA DINNER	

Tuesday 26.09.2006

INVITED LECTURES – ROOM A

Moderator: Prof. dr hab. n. med. Fryderyk Prochaczek

9:00	New capabilities of photodynamic diagnosis and therapy <i>Prof. dr hab. n.med. Aleksander Sieroń</i>	
9:45	Telemedicine and eHealth <i>Dr n.med. Wojciech Glinkowski</i>	
10:30	COFFEE BREAK	
	Telemedicine – ROOM A <i>Chair: dr n.med. W. Glinkowski, dr inż. M. Kotas</i>	Signal processing – ROOM B <i>Chair: dr hab. inż. P. Augustyniak, dr inż. N. Henzel</i>
10:50	Integrated hospital information system - implementation in Holycross Oncological Centre - case study <i>S. Gózdź, W. Cedro, R. Mężyk</i>	Analysis of otoacoustic emissions by means of adaptive approximations <i>W. Jędrzejczak, K. J. Blinowska, W. Konopka</i>
11:10	Telemedical portal 'Telemedycyna Wielkopolska' <i>J. Błaszczński, M. Kosiedowski, C. Mazurek, R. Słowiński, K. Słowiński, M. Stroiński, S. Wilk</i>	Model of the oculomotoric system for diagnosis of squint <i>D. Pojda, J. Ober</i>
11:30	Telemedicine framework for follow-up high risk pregnancy <i>D. Bożewicz, T. Pałko, M. Jeżewski, P. Łabaj, T. Kupka, M. Bernyś</i>	Analysis of uterine contraction activity using two ways of signal acquisition <i>K. Horoba, A. Matonia, J. Jeżewski, T. Kupka, A. Gacek</i>
11:50	Screening telediagnosics of spinal deformities based on optical 3D shape measurement system and automated data analysis - preliminary report <i>R. Sitnik, W. Glinkowski, M. Licau, W. Załuski, D. Kozioł, B. Glinkowska, A. Górecki</i>	User voice identification in computer applications <i>P. Porwik</i>
12:10	The use of multi-media messaging as supplement information of musculoskeletal injury cases <i>A. Wojciechowski, W. Glinkowski, M. Gołębiowski, A. Górecki</i>	Computerised system for oxygenation monitoring in newborn infants <i>J. Wrobel, J. Jezewski, T. Kupka, M. Jezewski, A. Gacek</i>
12:30	Medical interactive teleeducation via internet based videoconferencing <i>W. Glinkowski, K. Małkosa, S. Pawlica, K. Marasek, A. Górecki</i>	Analysis of the tear film kinetics by numerical filtering of interferograms <i>D.H. Szczęsna, H. T. Kasprzak</i>

13:00	LUNCH	
Handwriting recognition – ROOM A <i>Chair: prof. dr hab. inż. J. Piecha, dr inż. E. Straszecka</i>		
14:00	Scanpath analysis in objective evaluation of reading skills <i>P. Augustyniak</i>	
14:20	Application of document type identification in medical handwritten texts recognition <i>J. Sas. J. Peicz</i>	
14:40	A multi-level architecture for recognition of polish handwritten medical texts <i>J. Sas. M. Piasecki</i>	
15:00	Corpus of medical texts and tools <i>G. Godlewski. M. Piasecki. J. Peicz</i>	
Poster session – ROOM A <i>Chair: dr A. Liebert, dr inż. L. Luchowski</i>		
15:20	Segmentation of lateral ventricles for monitoring of patient's status with normal pressure hydrocephalus <i>A. Gertych, A. Wong</i>	Theory of fuzzy sets in edge location of the posterior cruciate ligament region <i>P. Zarychta, E. Piętka, A. Kiełtyka, A. Zarychta-Bargieła</i>
	Fuzzy 3d extension of the live-wire approach to medical image segmentation <i>W. Więclawek, E. Piętka</i>	The usage of template matching and multiresolution for detecting cancerous masses in mammograms <i>M. Bator, M. Nieniewski</i>
	3d model of the lungs <i>D. Spinczyk, E. Piętka</i>	Educational on-line atlas of images of respiratory system <i>A. Zagłówek, A. Gertych, G. Kaczmarczyk, D. Spinczyk</i>
	Model of human system of glucose level stabilisation – selected problems of parameter identification <i>B. Korona, J. Brandys, S. Polak</i>	On a new method of combining classifiers applied to the protein secondary structure prediction <i>T. Wołoszyński, M. Kurzyński</i>
	Incomplete data in fuzzy inference system <i>S. Pośpiech-Kurkowska</i>	A new class of digital filters designed for ECG noise reduction <i>N. Henzel</i>
	Time-gated intensified ccd camera for imaging of an optically turbid medium – preliminary experiments <i>P. Sawosz, A. Liebert, R. Maniewski</i>	Evaluation of surface damage of plates used in funnel chest treatment <i>A. Krauze, W. Kajzer, J. Dzielicki, J. Marciniak</i>
	Surface treatment of stainless steel intended for urological stents <i>W. Kajzer, A. Krauze, J. Marciniak</i>	
16:30	REGIONAL EVENING (OUTDOOR)	

Wednesday 27.09.2006

INVITED LECTURES – ROOM A Moderator: Prof. dr hab. inż. Jerzy Moczko

9:00	The biomedical images congruencing and the 3-D object reconstruction <i>Dr inż. Mariusz Zubert</i>	
9:45	Near infrared spektroskopy in study of brain oxygenation <i>Dr Adam Liebert</i>	
10:30	COFFEE BREAK	
	Face analysis – ROOM A <i>Chair: prof. dr hab. inż. Z. Wróbel, dr inż. R. Winiarczyk</i>	Medical imaging applications – ROOM B <i>Chair: prof. dr hab. inż. T. Pałko, dr Z. Król</i>
10:50	Segmenting 3D mesh images of the human face by local quadric parametrization <i>L. Luchowski</i>	Computer-aided surgery planning and intraoperative navigation for complex maxillofacial reconstruction after juvenile soft tissue tumor resection <i>Z. Król, J. Chapuis, C. Kober, F. Langlotz, H. Zeilhofer, K. Schwenzler-Zimmerer</i>
11:10	Computer system for the analysis of facial features based on 3D surface scans <i>A. Sornek, A. Tomaka</i>	First attempts for semiautomatic 3D-visualization of the optic nerve <i>C. Kober, B. Börner, C. Buitrago Telléz, K. Scheffler, E. W. Radü, H. F. Zeilhofer</i>
11:30	System for facial tissue reconstruction based on dowel method <i>K. Więckowska, A. Tomaka, R. Winiarczyk</i>	General project's setup for finite element simulation of bony organs demonstrated for the case of a human mandible <i>C. Kober, C. Hellmich, S. Stübinger, R. Sader, H. Zeilhofer</i>
11:50	Face reconstruction. selection of vertices according to cylindrical projection. fast deformation method <i>R. Stegierski, P. Mikolajczak</i>	SPECT/CT - a new era in medical imaging <i>S. Berg, P. Chinnadura, B. Börner, J. Müller-Brand, G. Bongartz</i>
12:20	Application of color information in human face recognition <i>M. Kawulok, B. Smolka</i>	Edge-preserving regularization for confocal data deconvolution <i>M. Zimányi, A. Mateášik, M. Šrámek</i>
13:00	CLOSING OF THE CONFERENCE	
13:15	LUNCH	