

MIT 2005 Programme, 16-19, August, 2005

August 16 - (Day 1)

August 17 - (Day 2)

Henning Müller,

8:45 – Key-Note Speech
9:45 Prof. Paolo Inchingolo, Italy

10:15 – Key-note speech
11:15 Prof. Ronnier Luo (UK)

11:15 – Key Note speech
12:15 Dr. Henning Muller, Switzerland

12:15 – LUNCH
13:15

13:15 Parallel Sessions
Session I: Medical Imaging: Techniques and applications
Chair: Prof. Simon Thom
Session II: Medical Image Databases-PACS
Chair: Dr. John Clark

13:15 Time-30: Atlas-based fuzzy connectedness for automatic segmentation of abdominal organs
Yongxin Zhou, Jing Bai
Time-12: Norway PACS
Roald Bergstrom

13:35 Time-17: Skeletonizing and Automatically Detecting the Bifurcation of Blood Vessels in Digital Subtraction Angiography
Shui Haomiao, Li Qin, Yang Jian, Tang Songyuan, Zhou Shoujun, Liu Yue, Wang Yongtian
Time-2: Lung CT segmentation for content-based image retrieval using the insight toolkit (ITK)
Joris Heuberger, Antoine Geissbühler, Henning Müller

13:55 Time-49: A Method for abstracting dynamic information of Sequential Images—Rebuilding of Gray (Position)-time Function on Arbitrary Direction Lines
Lin Qiang, Li Wei
Time-11: Augmented Medical Image Management for Integrated Healthcare Solutions
Thomas M. Lehmann, Henning Müller, Qi Tian, Nikolas P. Galatsanos, Daniel Mlynek

14:15 Time-15: Detection of Heart Movement Manner Based on Hexagonal Image Structure
Xiangjian He, Wenjing Jia, Qiang Wu and Tom Hintz
Time-54: Problem Specific Detailed Structured Reporting: Tailoring Radiology Interpretation and Reporting to Clinical Need
Mansoor Fatehi, Dariush Saedi, Saeed Zand

15:05	Time-25: The Extraction and Visualization of the ROI of PET Brain Functional Images <i>HAN Xiao-peng, LUO Shu-qian</i>	Time-59: Content based retrieval of PET images via localized anatomical texture measurements and mean activity levels <i>Stephen Batty, Xiaohong Gao, John Clark, Tim Fryer</i>
15:25	Time-53: Application of Fuzzy Rough Set in Medical Image Registration <i>WEI Jianming¹, ZHANG Jianguo², WANG Baohua¹</i>	Time-40: Auto data and Semantic Integration System <i>Huang Liqin</i>
15:45	Time-50: Registration of 4D Brain EIT data to Standard Anatomical Brain <i>Yan Zhang, Peter J. Passmore, Richard H. Bayford</i>	Time-6: Data classification using Bayesian conditional random fields <i>Jiahua Wu, Huiyu Zhou, and Jia He</i>
16:05	Time-5: Application of Geodesic Active Contours to the segmentation of lesions on PET (Positron Emission Tomography) images <i>Xiaohong W. Gao, Dawit H. Birhane, J. Clark</i>	
16:50 - 17:50	Panel Session: The way forward	

August 18 - (Day 3)		
09:10	Parallel Sessions	
09:10	Session III: Medical imaging equipment-Techniques and Applications	Session IV: Tele-medicine, techniques and applications
	Chair: Prof. Paolo Inchingolo	Chair: Dr. Henning Muller
09:10	Time-42: Development of a Portable ECG Monitor Based on TMS320VC5402 <i>QI lin, Bai Ging, Zhang Yonghong, Liu Chenguang</i>	Time-3: Telemedicine Network in French-speaking Africa (RAFT) <i>Cheick Oumar Bagayoko, Henning Müller, Antoine Geissbühler</i>
09:30	Time-21: Analytic Modeling and Simulating of the Human Crystalline Lens with Finite Element Method <i>Zhuo Liu, Boliang Wang, Xiuying Xu, Ying Ju</i>	Time-4: Digitally Integrated Teleradiology Network in Hamburg Germany <i>W. Auffermann, B. Warncke, J. Stettin</i>
09:50	Time-35: A processing to B-mode ultrasonic image for noninvasive detecting temperature in hyperthermia <i>Wu Shuicai, Ren Xinying, Bai Yanping, Liu Youjun, Zeng Yi</i>	Time-43: Long-Range Fetal Heart Rate Monitor In China <i>Xicheng XIE</i>
10:10	Time-41: High quality volume rendering using programmable graphics hardware <i>Chen Yu, LIN Peng, WANG Bo-liang, XU Xiu-ying</i>	Time-52: A physiology multi-parameter telemonitoring system based on Internet <i>Du fangfang, Zhang Song, Bai Yanping, Wu Shuicai</i>

11:00	Time-45: Dynamic Spectrum:A Noble Method for Non-invasive Blood Components Measurement <i>Y. Wang, G. Li, L. Lin, X.X. Li, Y.L. Liu</i>	Time-56: Wireless Communication Technologies in Mobile Telemedicine <i>Chen Min, Lei Jianmei, Guo Xingming</i>
11:20	Time-47: Fuzzy Enhancemen about 2D-Omnidirectional M-mode Echocardiography <i>Zhang hua, Lin Qiang</i>	Time-29: Analysis of Colour Images for Tissue Classification and Healing Assessment in Wound Care <i>H. Zheng, D. Patterson, M. Galushka, L. Bradley</i>
11:40	Time-37: The Research of Omnidirectional M-mode Echocardiography System <i>Lin Qiang, Wu Wenji</i>	Time-55: Colour Reproduction for Tele-imaging Systems <i>Ping He, Xiaohong Gao</i>
12:00 – 13:00	LUNCH	
13:00	Parallel Sessions	
13:00	Session V: Visualization: Software and hardware Chair: Prof. Jyh-Cheng Chen (Taiwan)	Session VI: Computer applications on medical information Chair: Dr. Thomas Lehmann
13:00	Time-38: : Parametric 3D Visualization of Human Crystalline Lens based on OpenGL <i>XU Xiuying, LIU Zhuo ,WANG Boliang,CHEN Yu,YANG Hao</i>	Time-46: Movement information of special goal research on a sequence image of heart's B- ultrasonic <i>Yang Xiu Zhi Lin Qiang</i>
13:20	Time-8: 3D Navigation of CT Virtual Endoscopy in Non-invasive Diagnostic Detection <i>Xie Xiaomian, Tao Duchun, Chen Siping, Bi Yalei</i>	Time-28: Assessment of atrial septal motion with LEJ-1 omnidirectional M-mode echocardiography <i>Guo wei, Lu li-hong , Chen bin</i>
13:40	Time-9: Automatic Correction of MinIP in CT Diagnostic Applications <i>Tao Duchun Xie Xiaomian Bi Yalei Chen Siping</i>	Time-33: Interpretation of the Interaction of Endocrine Hormone Axial Systems and Mammary Gland Tumor <i>Chen Chengqi</i>
14:00	Time-10: Evaluation of Quantitative Capability of the Iterative and Analytic Reconstructions for a Cone-Beam Micro Computed Tomography System <i>Ho-Shiang Chueh, Wen-Kai Tasi, Hsiao-Mei Fu, *Jyh-Cheng Chen</i>	Time-26: An approach to the relevance between varations in hormone secretion and the incidence of Hyperplasia of Mammary Glands and Mammary Cancer <i>C Chen, Y Lin</i>
14:20	Time-20: An Approach to True-Color Volume Data Preparation for Virtual Eye <i>LIN Peng, CHEN Yu, WANG Bo-liang</i>	Time-44: A Study On Metallic Micro-Capsulation For Immunoisolation In Transplanting Cells And Tissues <i>Li Gang, Zhan Minjng, Cui Hualei , Stephen.Lu</i>

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| 15:10 | Time-16: Imaging Biological Micro-tissues and Organs Using Phase-contrast X-ray Imaging technique
<i>Hongxia Yin, Bo Liu, Xin Gao, Hang Shu, Xiulai Gao, Peiping Zhu, Shuqian Luo</i> | Time-23: The Research of Dynamic Change and Relativity of Hormone Secretion Breast Tumor
<i>Chen Chengqi</i> |
| 15:30 | Time-34: An novel micro-tomography algorithm for X-ray diffraction enhanced imaging
<i>Xin Gao, Shuqian Luo, Bo Liu, Maolin Xu, Hongxia Yin, Hang Shu3, Xiulai Gao, Peiping Zhu</i> | Time-48: A Method for Extracting Movement Track of Sequential Gray-Points Which Represent the Cardiac Structure in Omnidirectional M-mode Echocardiography
<i>Wu Wenji, Lin Qiang</i> |
| 15:50 | Time-57: Intervertebral disc biomechanical analysis using the finite element modeling based on medical image
<i>Zheng Wang, Haiyun Li</i> | Time-58: Three-dimensional Skin Surface Texture Editing Based on Self-similarity
<i>Junyu Dong, Lin Qi, Guojiang Chen, Jiahua Wu</i> |
| 18:00-20:00 | Dinner Banquet | |

August 19 - (day 4)

Tour of Wuyi Mountain

August 20 - (Day 5)

Departure