ITRE 2006 – General program (updated Oct. 9)

Venue: Afeka College of Engineering
218 Bney Efraim Rd. Tel- Aviv

Tuesday, October 17, 2006

08:30 - 09:00	**Registration**
09:00 – 11:00 *Auditorium*	**TU-1: Opening**
09:00	**Welcome** **Prof. Beni Arazi, Conference chair, *Ben-Gurion*** *University of the Negev, Israel* **Dr. Menahem Gutterman, Conference co-chair, *Afeka*** *Tel Aviv College of Engineering, Israel* **Greetings** **Prof. Mordechai (Moti) Sokolov, President*, Afeka*** *Tel Aviv College of Engineering, Israel*
09:30	**Keynote Address: Is There Life After The Internet?** **Prof. Yechiam Yemini, *CS, Colombia, USA***
11:00 – 11:30	**Coffee Break**

11:30 – 13:15 **TU-2: Parallel Sessions**

TU-2.4 INFORMATION NETWORKING & INFORMATION MANAGEMENT - Ad Hoc and Sensors Networks H-11 Room D	TU-2.3 MEDICAL ENGINEERING - Novel Development of Medical Engineering Industry H-9 Room C	TU-2.2 MULTIMEDIA TECHNOLOGY - Image and Speech Processing G-5 Room B	TU-2.1 RESEARCH & EDUCATION – Innovative Teaching G-6 Room A
Track Chair: **Ron Shmueli - AFEKA**	**Track Chair:** **Dr. Zehava Blechman /** **Prof. Gad Shani**	**Track Chair:** **Dr. Ofer Hadar**	**Track Chair:** **Prof. Ilya Levin**
A Multipath Routing Protocol in Mobile Networks *Chiu-Kuo Liang, Cheng-Ting Kuo, TAIWAN* (no. 53)	ARGAMAN: Rapid Deployment Virtual Reality System for PTSD Rehabilitation *Ehud Dayan, ISRAEL* (no. 100)	Image Inpainting via Fluid Equations *Dalia Fishelov, Nir Sochen, ISRAEL* (no. 22)	On Loosely Coupling Structure for Internet Surveys: A Case Study of a Survey System for Teachers' In-Service Educational Demands *Che-Chern Lin, Hung-Jen Yang, Lung-Hsing, Kuo, TAIWAN* (no. 62)
Network of Remote Sensors for Magnetic Detection, *Arie Sheinker, N. Salomonski, B. Ginzburg, A. Shkalim, L. Frumkis, B.Z. Kaplan, ISRAEL* (no. 49)	Intravascular Magnetic Resonance Imaging (IVMRI): Technology Survey, *Erik Tammam, ISRAEL* (no. 69)	Learning to Understand Image Content: Machine Learning Versus Machine Teaching Alternative, *Emanuel Diamant, ISRAEL* (no. 40)	A Regional Knowledge-Buiding ICT Educational Community *Shmuel Arnon, Orit Hazzan, ISRAEL* (no. 90)
Metrical Routing Using Ad-Hoc Networks in Hierarchical Environment *Sharoni Feldman, Yosi Ben-Asher, Moran Feldman, Pini Gurfil, ISRAEL* (no. 30)	A Novel Telemedicine System for Monitoring Congestive Heart Failure Patients*M.M. Radai,CardiacInspect, ISRAEL* (no. 97)	A Comparison Study of Cepstral Analysis with Applications to Speech Recognition *Gabriel Zigelboim, Ilan D. Shallom, ISRAEL* (no. 42)	Lessons Drawn from Implementation of Online Tutoring System in Physics Courses *Itzhak Goldman, ISRAEL* (no. 41)
	HyperQ™ - New Horizons in Myocardial Ischemia Detection, *Eran Toleo, ISRAEL* (no. 99)		An Intelligent Tutoring System for Efficient Usage of Databases *Rina Azoulay-Schwartz, Zvi Ilani, ISRAEL* (no. 81)

13:15 – 14:15 **Lunch Break**

14:15 – 15:45 TU-3: Parallel Sessions

TU-3.4 INFORMATION NETWORKING & INFORMATION MANAGEMENT - Network Design and Security and Reliability H-11 Room D	TU-3.3 MEDICAL ENGINEERING - Basic Science H-9 Room C	TU-3.2 MULTIMEDIA TECHNOLOGY - Video and Speech Processing G-5 Room B	TU-3.1 RESEARCH & EDUCATION - Curriculum Issues G-6 Room A
Track Chair: Dr Ilan Shalom	**Track Chair: Dr. Idit Avrahami**	**Track Chair: Dr. Adrian Stern**	**Track Chair: Dr. Vadim Talis**
RFID Research Challenges and Proposed Solutions Pertaining to Port Security *B. Arazi, ISRAEL*	Numerical coupling of Fluid and Structure in Cardiac Flow and Devices, *Idit Avrahami, ISRAEL* (no. 32)	Time Frequency Representation for Speech Recognition *Avishay Amsalem, Ilan D. Shallom, ISRAEL* (no. 63)	Coursewares' Generating *Dan Ophir, A.E. Gera, ISRAEL* (no. 70)
A Fast Congestion Control Protocol (FCP) for Networks (the Internet) *Debessay Fesehaye, BELGIUM* (no. 85)	Quantification of the Hemodynamics Inside a Novel Synchronized Therapeutic Cardiac Assist Device for Chronic Heart Failure *Sara Naftali, Idit Avrahami, Amir Landesberg, ISRAEL* (no. 25)	Hybrid Error Concealment with Automatic Error Detection for Transmitted MPEG-2 Video Streams over Wireless Communication Network *Merav Huber, Revital Huber, Ofer Hadar, ISRAEL* (no. 45)	Flexible Algorithms - Selections from a Course for Beginners *Raphael Berakhael Yehezkael, ISRAEL* (no. 38)
Network Design Patterns are Measurable *Iaakov Exman, Marat Taplitsky, ISRAEL* (no. 84)	Classification of Left Heart Functional Dimensions by Clustering Cardiac Echo-Doppler Measurements *Roni Ben Ishay, Chaim Yosefy, Shimon Scharf, Maya Herman, ISRAEL* (no. 21)	DCT-domain Coder for Digital Video Applications *Evgeny Kaminsky, Alex Ginzburg, Yuri Abramov, Ofer Hadar, ISRAEL* (no. 39)	Marketing Principles and the Pre-existing Attitudes *Arie Maharshak, David Pundak, ISRAEL* (no. 101)
Performance Analysis of IP Header Compression *Chandan Bhunia, INDIA* (no. 4)	Using the Color Set Back-Projection Algorithm in Retrieval and Evaluation of Endoscopic Images from Patients with Peptic Ulcer *Dan Dumitru Burdescu, Liana Stanescu, Anca Ion, ROMANIA* (no. 23)		Internship as an Obligatory Requirement for the Degree of B.Sc. in Electronic and Electrical Engineering *Nissim Sabag, Elena Trotskovsky, Pinchas Schechner, ISRAEL* *(no. 60)*

15:45 - 16:15 Coffee Break

16:15 – 17:45 TU-4: Parallel Sessions

TU-4.4 INFORMATION NETWORKING & INFORMATION MANAGEMENT - Preformance analysis and optimiuzation H-11 Room D	TU-4.3 MEDICAL ENGINEERING - Biometric Signal Processing H-9 Room C	TU-4.2 MULTIMEDIA TECHNOLOGY - H.264 video compression G-5 Room B	TU-4.1 RESEARCH & EDUCATION - Information Technology Education G-6 Room A
Chair: Dr. I. Exman	**Chair: Dr. Vered Aharonson**	**Chair: Dr. Izik Izhaki**	**Chair: Dr. Cecile Yehezkael**
Improvement of Network Load and Fault-Tolerant of P2P DHT Systems *Bin Dai, Wang Furong, Tian Yun, CHINA* (no. 73)	Emotion Elicitation in a Computerized Gambling Game *Vered Aharonson,* Noam Amir, *ISRAEL* (no. 91)	A Multi-Transform Search Algorithms to Enhance H.264/AVC Performance *Amir Averbuch, Michael Ben-Israel, David Drezner, ISRAEL* (no. 103)	A Knowledge Building Community-Constructing a Knowledge Model Using Concept Maps *Moshe Leiba, Rafi Nachmias, ISRAEL* (no. 52)
A Hybrid ARQ Scheme with Erasures Correction over Fading Channel *Arik Hoffman, Lev Goldfeld, Vladimir Lyandres, ISRAEL* (no. 44)	Biofeedback DSP based Software for Blood Pressure Decrease *Liran Matsliah, ISRAEL* (no. 98)	Dynamic Computational Complexity and Bit Allocation for Optimizing H.264/AVC Video Compression *Evgeny Kaminsky, Dan Grois, Ofer Hadar, ISRAEL* (no. 55)	The Role of a KBS Course within IS Education *Rachel Or-Bach, ISRAEL* (no. 11)
A Self-Organizing P2P System for VoIP Application *Bin Dai, Wang Furong, Liu Jian, CHINA* (no. 93)	Acoustic Monitoring of Lung Sounds for the Detection of One Lung Intubation S. *Tejman-Yarden, ISRAEL* (no. 71)	RDO Transform Selection for a Multi-Transform Video Encoder *Amir Averbuch, Michael Ben-Israel,* *David Drezner, ISRAEL* (no. 104)	Characterization of Probabilistic Faults Diagnostic Models Sergey Frenkel, V. Zakharov, RUSSIA, E. Levner, ISRAEL (no. 66)

Wednesday, October 18, 2006

09:00 – 11:30 **WE-1: Keynote Address:**
Auditorium

09:00 **TBD**
Danny Yamin, *Microsoft, Israel*

09:30 **Innovation by Integration**
Dr. Michael Rodeh, *IBM, Israel*

10:30 **Media Campaigns as a Main Channel in War and Peace**
Dr. Yaron Katz, *Holon Institute of Technology, Israel*

11:30 – 12:00 **Coffee Break**

12:00- 13:45 WE-2: Parallel Sessions

WE-2.4 INFORMATION NETWORKING & INFORMATION MANAGEMENT - Information retrieval H-11 Room D	WE-2.3 MEDICAL ENGINEERING - Medical Information System H-9 Room C	WE-2.2 MULTIMEDIA TECHNOLOGY - Speech and Video quality measures G-5 Room B	WE-2.1 RESEARCH & EDUCATION – E-learning in Engineering Education G-10 Room A
Chair: Dr Ariel J Frank	**Chair: Dr Leah Goldin**	**Chair:**	**Chair: Mr. Eli Kolberg**
Keynote Speaker: Prof. S. Kutten	Keynote Speaker: Dr. Michal Golovner, SHAHAL, Israel	Keynote Speaker: Prof. B. Arazi	Using Semantic Component Interfaces in Software Engineering Training, *Eliezer Kantorowitz, Alexander Lyakas, ISRAEL,* (no. 87)
Visualizing Multidimensional Relations with Parallel Coordinates *Alfred Inselberg,ISRAEL, Chao-Kuei Hung, TAIWAN* (No. 29)	A Didcated Comprehensive Software for Managing A National Medical Device Registry *Nadav Sheffer, ISRAEL* (no.56)	Effects of the Encoding Scheme on the Perceived Compressed Video Quality Transmitted Over Lossy IP Networks *Ron Shmueli, Ofer Hadar, Revital Huber, Masha Maltz, Merav Huber, ISRAEL* (no. 96)	Experimental Setups of SCORM Based E-Learning Environments for a Computer-Aided Drafting Course at a Vocational High School, *Che-Chern Lin, Jia-Hseng Pan, TAIWAN* (no. 64)
Harnessing Search Engine Technology to Raise Awareness and Availability of Digital Libraries *Nir Yom Tov, Ariel J. Frank ISRAEL* (No. 12)	Bioinformatics Integration for Cancer Research-Goal Question Analysis *Leah Goldin, ISRAEL* (no. 13)	The Lombard Effect's Influence on Automatic Speaker Verification Systems and Methods for its Compensation *Roman Goldenberg, Arnon Cohen, Ilan Shallom, ISRAEL (no. 54)*	Web-Based Remote Digital Signal Processing (DSP) Laboratory Using the Integrated Learning Methodology (ILM) *Zohar Dvir, ISRAEL* (no. 67)
The Value of Information in Negotiations with Incomplete Information, *Rina Azoulay-Schwartz, Daphna Dor-Shifer, Sarit Kraus, ISRAEL* (no. 77)	Multi-Agent Cooperation Infrastructure to Support Patient-Oriented Telecare Services *Vassilis Poulopoulos,Lefteris Gortzis, Ioannis Bakettas, George Nikiforidis, GREECE* (no. 57)	Spiral-Interleaved New Explicit Flexible MacroBlock Ordering Type *Shlomo Greenberg, Barak Ktaz, ISRAEL* (no. 72)	Development of Quality Software for On-Line Learning *Burdescu Dumitru Dan, Mihăescu Marian Cristian, ROMANIA* (no. 6)
	Tel Aviv Angio Prospective Study (TAPAS) *Shalom Mendel, ISRAEL* (no. 102)	Liability and Control Risks with Open Source Software *David Bahn, Dan Dressel, USA* (no. 89)	

13:45 – 14:30 Lunch Break

14:30 – 15:30	**WE-3: Planery Session, *Invited Paper***
Auditorium	
14:30	**TBD** **David Vaskevitch, CTO,** *Microsoft, USA*
15:30 – 16:00	**Coffee Break**
16:00 – 17:30	**WE-4: Plenary Panel 'Tele-Medicine'**
16:00	**Plenary Panel: Tele-Medicine**
	Panel moderator: **Dr. Z. Blechman,** *AFEKA Israel*
	Ibrahim Emtanis, *Philips Electronics Israel LTD., Israel* **Dr. Michal Golovner,** *Shahal, Israel*