DETAILED PROGRAM

Tuesday, October 1, 2013

20:30-22:00	Social Event: Kartoshkes Ensemble		
Wednesday,	Wednesday, October 2, 2013		
07:00-09:30	Breakfast		
09:30-09:40	OPENING (Oren 2)		
	Prof. Arie Maharshak, President, ORT Braude CollegeProf. David Shoikhet, Vice President for Academic Affairs, ORT Braude College		
09:40-10:30	PLENARY I (Oren 2)		
	Dr. Omri Bonneh, KKL-JNF Chief Scientist Forestry Research and Development		
10:30-10:50	Coffee Break		
10:50-11:40	PLENARY II (Oren 2)		
	Dr. Roey Tzezana, Interdisciplinary Center for Technology Analysis and Forecasting Human Enhancement: Trends and Prospects		
11:50-13:10	SESSION A1: Biotechnology Engineering I (Jasmine) Chair: Amal Rouhana Toubi		
11:50-12:10	GPI-anchored CD24: Placental expression in normal and pathological human pregnancies Marei Sammar, Berthold Huppertz, Monika Siwetz, Niko P. Bretz, Peter Altevogt		
12:10-12:30	Small molecule inhibitors of protein interaction with glycosaminoglycans (SMIGs) – A novel class of bioactive agents with anti-inflammatory properties Nicholas Harris, Chen Kaplan, Paul Gregor		
12:30-12:50	Targeting atypical neuroleptics to the CNS for BBB permeability improvement and peripheral side effects reduction <i>Idit Golani, Rosa Azhari, Alon Shamir</i>		
12:50-13:10	The antifungal efficacy of formulated copper oxide nanoparticles Michal Maoz, Daniel Panitz, Sigal Eichler, Ester Segal, Iris S. Weitz		
11:50-13:10	SESSION A2: Mechanical Engineering I (Oren 1)		
11 50 12 10	Chair: Samy Abu-Salih		
11:50-12:10	Plastic deformation mechanisms operating during creep in parent metal and friction stir welded AZ31B magnesium alloy <i>Michael Regev, Stefano Spigarelli</i>		
12:10-12:30	A turned trochoidal disturbance on a liquid jet surface Shalom Sadik, Felix Kirzhner, Denis Kramarenko		
12:30-12:50	Performance simulation of a heat pump water heater Michael Koenig, Khen Mizrakhi		
12:50-13:10	Rehabilitation knowledge center at ORT Braude College Orit Braun-Benyamin		
11:50-13:10	SESSION A3: Industrial Engineering and Management I (Oren 2) Chair: Natalia Zaitsev		
11:50-12:10	Further results for the longest queue (LQ) system with exchangeable items		
	Rachel Ravid, David Perry, Onno Boxma		
12:10-12:30	Controlling FMS based on dynamically creating local optimal schedules for dynamically selected appropriate operational criteria <i>Boris Shnits</i>		
12:30-12:50	Impacts of practicing lateral transshipments on designing and operating a supply chain Hussein Naseraldin, Yale T. Herer		
12:50-13:10	Project management, systems engineering and what's in between <i>Meir Tahan</i>		

11:50-13:10	SESSION A4: Mathematics I (Tamar)
11.50-15.10	Chair: Fiana Jacobzon
11:50-12:10	Some inequalities for the horosphere function on the Hilbert ball
12 10 12 20	Mark Elin, Marina Levenshtein, David Shoikhet
12:10-12:30	Exponential estimates of solutions of parabolic pseudodifferential equations <i>Yakov Lutsky</i>
12:30-12:50	Field D* pathfinding on weighted triangulated and tetrahedral meshes Mark N. Berman
12:50-13:10	Inequalities for angular derivatives and boundary interpolation Vladimir Bolotnikov, Mark Elin, David Shoikhet
13:10-14:20	Lunch
14:20-15:40	SESSION A5: Biotechnology Engineering II (Jasmine) Chair: Nicolas Harris
14:20-14:40	The effect of NaCl concentration in soft cheese on whey composition and on molecular weight profile of whey proteins Amal Rouhana Toubi, Maor Dahan
14:40-15:00	Combined adsorption and biological degradation processes for the removal of pharmaceutical compounds from effluents by nitrifying bacteria Anwar Dawas, Carlos Dosoretz, Isam Sabbah
15:00-15:20	Mechanisms of skeletal muscle cell mechanotransduction Rosa Azhari, Iris Bonshtein, Ehud Kroll
15:20-15:40	Biomed business model design case study: Bone Cure AMCA ammonio methacrylate copolymer type A membrane for treatment of severe bone defects in pets Harry Langbeheim
14:20-15:40	SESSION A6: Software Engineering I (Oren 1)
	Chair: Orly Yahalom
14:20-14:40	On the location of roots of graph polynomials Johann A. Makowsky, Elena V. Ravve
14:40-15:00	Comparable randomness of textual sources Renata Avros, Zeev Barzily, Zeev Volkovich
15:00-15:20	Cluster model selection using minimum cost spanning trees Renata Avros, Dvora Toledano-Kitai, Avi Soffer, Zeev Volkovich
15:20-15:40	Graph partition approaches based on ladder connected components Zakharia Frenkel, Ahuva Mu'alem, Avi Soffer, Zeev Volkovich
14:20-15:40	SESSION A7: Teaching and Learning I (Oren 2)
	Chair: David Pundak
14:20-14:40	Students' misunderstandings in project design activities Elena Trotskovsky, Nissim Sabag
14:40-15:00	Financial planning for the engineering student David Pundak, Arie Maharshak
15:00-15:20	Using lab experiments in electric circuits to promote achievements in mathematics Nissim Sabag, Elena Trotskovsky
15:20-15:40	Teachers' work context: Components that support or inhibit the implementation of innovations <i>Yael Furman Shaharabani</i>
14:20-15:40	SESSION A8: Physics and Optical Engineering I (Tamar)
14:20-14:40	Chair: Eli Raz Quantum gravity phenomenology with neutrinos and high energy photons
	Dafne Guetta
14:40-15:00	Interferometric control over the photoelectric effect: What is the relative birth place of the electron in the continuum? Avner Fleischer
15:00-15:20	Reinterpretation of the basic axioms founding the principles of electrodynamics Ofer Eyal
15:20-15:40	Noise and controllability: Suppression of controllability in large quantum systems Shimshon Kallush

INTERDISCIPLINARY SESSION I (Oren 2)
Chair: Marei Sammar
Assessment of the mobility and fate of natural and naturally modified engineered nano-particles related to in-situ remediation of soil and groundwater contamination Isam Sabbah, Yuri Haimov
Toward computational design of efficient plasticizers for nylon David Alperstein, Dafna Knani
Biomimetic locust-like jumping robot Valentin Zaytsev, Uri Ben-Hanan, Avi Weiss, Gabor Kosa, Amir Ayali
Analysis of thermo-electromechanical buckling of micro annular plate Samy Abu-Salih
Leisure Time
Dinner
Social Evening

Thursday, October 3, 2013

07:00-09:00	Breakfast
	The state of the s
09:00-10:20	SESSION B1: Electrical and Electronic Engineering I (Jasmine) Chair: Samuel Miller
09:00-09:20	Use of heavily masked normalized correlation for 2D label detection Samuel Kosolapov
09:20-09:40	Quantum-dot cellular automata serial decimal subtractors Michael Gladshtein
09:40-10:00	A small signal characterization of MOS transistor current for CMOS submicron technology Radu Florescu, Guy Gontmacher
10:00-10:20	Efficiency of LED panel implementation for office or factory lighting Radu Florescu, Raya Shechtman
09:00-10:20	SESSION B2: Industrial Engineering and Management II (Oren 1)
0,000 1001	Chair: Boris Shnits
09:00-09:20	HR outsourcing and absenteeism: A cross countries study Hilla Peretz, Yitzhak Fried
09:20-09:40	Theories and theorizing in organizations Doron Faran
09:40-10:00	The value and timing of introducing knowledge in decision support systems Nirit Gavish, Hussein Naseraldin
10:00-10:20	Contribution of industrial engineering to the management of medical systems <i>Yariv N. Marmor</i>
09:00-10:40	SESSION B3: Teaching and Learning II (Oren 2)
	Chair: Miri Shacham
09:00-09:20	"From good to excellent"- Coaching for success Miri Shacham, Rivka Weizer-Biton
09:20-09:40	Engineers as second-career teachers: The perceived contribution of engineering education and career to teaching <i>Yael Furman Shaharabani, Miri Shacham, Orna Muller</i>
09:40-10:00	Misconceptions in electronics design using simulation Nissim Sabag, Elena Trotskovsky
10:00-10:20	Mathematical knowledge for effective teaching and learning: The case of four algorithms <i>Ira Raveh</i>
10:20-10:40	Attitudes of engineering instructors toward "active learning" David Pundak, Miri Shacham, Orit Herscovitz
09:00-10:40	SESSION B4: Mathematics II (Tamar) Chair: Mark Elin
09:00-09:20	Indefinite metric spaces and operator linear fractional relations Victor Khatskevich
09:20-09:40	Well-posedness of coupled first and second order hyperbolic systems Lavi Karp
09:40-10:00	Gambler's ruin probability – a general formula Haggai Katriel
10:00-10:20	Asymptotic behavior of parabolic type semigroups Mark Elin, Fiana Jacobzon
10:20-10:40	New cases of increasing pursuer capturability by using hybrid dynamics Valery Y. Glizer, Vladimir Turetsky
10:40-11:10	Coffee Break and Hotel Check-out
11:10-12:00	PLENARY III (Oren 2)

Dr. Daphne Raban, Head of the Department of Information and Knowledge Management, University of Haifa
The Value of Information

12:10-13:30	SESSION B5: Mechanical Engineering II (Jasmine)
12.10-13.30	Chair: Michael Koenig
12:10-12:30	Dynamic mimicking
	Avi Weiss, Gideon Avigad, Yuri Surkov, Barak Samina
12:30-12:50	Generation of controlled rolling motion of a cylinder using magnetic fields
	Avi Weiss, Gideon Avigad, Maor Peretz
12:50-13:10	Drilling of composite and metal stack materials with the assistance of low frequency vibration <i>Uri Ben-Hanan, Andrea Stoll, Steffen Ihlenfeldt, Klaus Wolf</i>
13:10-13:30	Advances in cognitive neuroscience and optimization theory can inform the rehabilitation process in developmental disorders: Production management in the classroom? Gerry Leisman
12:10-12:50	SESSION B6: Electrical and Electronic Engineering II (Oren 1)
	Chair: Radu Florescu
12:10-12:30	Approximated methods of analysis guided modes in large 2D photonic arrays of identical waveguides
12.20 12.50	Elena Smith, Vladislav Shteeman, Elyahu Kapon, Amos A. Hardy
12:30-12:50	New printed meta-material antennas Albert Sabban
12:10-13:10	SESSION B7: Software Engineering II (Oren 2)
	Chair: Beniamin Mounitz
12:10-12:30	Adaptive language modeling for word prediction Orly Yahalom
12:30-12:50	Molecular dynamics study of double-stranded DNA molecule folding Zakharia Frenkel, Avi Soffer
12:50-13:10	Simple repeat fossils in protein coding sequences Zakharia Frenkel, Zeev Barzily, Zeev Volkovich, Edward Trifonov
12:10-13:10	SESSION B8: Physics and Optical Engineering II (Tamar) Chair: Mani Shay
12:10-12:30	Parametric excitation of silicon-on-insulator microcantilever beams by fringing fields probed with laser Doppler vibrometery <i>Yoav Linzon</i> , <i>Said Mahajna</i> , <i>Bojan Ilic</i> , <i>Stella Lulinsky</i> , <i>Slava Krylo</i>
12:30-12:50	Radiative transfer in stellar atmospheres Nathan Netzer
12:50-13:10	Flux-induced thermoelectric effect Jorge Berger
12:10-13:30	SESSION B9: Industrial Engineering and Management III (Dekkel 2)
	Round table discussion
	Chair: Emil Bashkansky
13:30-14:40	Lunch
14:40-15:40	INTERDISCIPLINARY SESSION II (Oren 2)
	Chair: Dafna Knani
14:40-15:00	Analysis of huge volume Orange cellular data Thomas Couronné, Valery Kirzner, Katerina Korenblat, Zeev Volkovich
15:00-15:20	Engineering education: Present and future Alec Groysman
15:20-15:40	From "TEMPUS - English for All" to "ERASMUS for All" Linda Weinberg
15:40-16:00	CONCLUDING REMARKS (Oren 2)

Prof. Arie Maharshak and Prof. David Shoikhet

Advancing Research in ORT Braude College