

PROGRAM

Wednesday, 7.10.2015				
9:00-10:00	Registration			
10:00-10:15	OPENING (Oren 2) Professor Arie Maharshak, <i>President, ORT Braude College</i>			
10:15-11:05	PLENARY 1 (Oren 2) Professor David Gershoni, <i>The Joseph and Bessie Feinberg Academic Chair Head of the Solid State Institute The Physics Department Technion - Israel Institute of Technology</i> Quantum optics and semiconductor quantum dots			
11:05-11:25	Coffee Break			
11:25-12:00	PLENARY 2 (Oren 2) Mrs. Dalit Stauber, <i>Chair, Board of Directors of ORT Braude College, The former Director General of the Ministry of Education</i> Challenges of Education in the 21 Century			
12:00-13:00	SESSION on Engineering Education (Oren 2) Chair: Elena Trotskovsky			
13:00-14:40	Lunch and Check-in Hotel			
14:40-16:00	SESSIONS			
	A1: Software Engineering Chair: Orly Yahalom (Dekel 2)	A2: Mechanical Engineering Chair: Uri Ben-Hanan (Oren 1)	A3: Applied Mathematics Chair: Gabi Ben-Simon (Jasmine)	A4: Industrial Engineering and Management Chair: Hussein Naseraldin (Oren 2)
16:00-16:20	Coffee Break			
16:20-17:40	SESSIONS			
	A5: Electrical and Electronic Engineering, Physics and Optical Engineering Chair: Eduard Eitelberg (Dekel 2)	A6: Industrial Engineering and Management Chair: Tamar Gadrich (Oren 2)	A7: Biotechnology and Mechanical Engineering Chair: Iris S. Weitz (Oren 1)	A8: Engineering Education and General studies Chair: Yael Furman Shaharabani (Jasmine)
17:40-18:45	Leisure Time			
18:45-20:00	Dinner			
20:00-20:40	Excellence Awards Ceremony			
20:40-20:50	Dr. Judith Abrahami, <i>Introducing the new union of retired staff of OBC</i> הודעה על הקמת ארגון גמלאי המכללה			
20:50...	Social Evening			

Thursday, 8.10.2015				
7:00-9:20	Breakfast			
9:30-10:20	PLENARY 3 (Oren 2) <i>Professor Hagit Messer Yaron,</i> <i>Vice Chair, Council for Higher Education.</i> Directions in Higher education			
10:20-11:00	Hotel Check-out and coffee break			
11:00-11:50	PLENARY 4 (Oren 2) <i>Mr. Imad Younis,</i> <i>Co-Founder, and President of Alpha-Omega group</i> Alpha Omega - against all odds			
11:50-12:50	SESSION on Engineering Education (Oren 2) Chair: Miri Shacham			
12:50-14:10	Lunch			
14:10-15:30	SESSIONS			
	B1: Industrial Engineering Chair: Shuki Dror (Oren 2)	B2: Mechanical Engineering Chair: Michael Regev (Oren 1)	B3: Electrical and Electronic Engineering, Physics and Optical Engineering Chair: Jorge Berger (Dekel 2)	B4: Applied Mathematics Chair: Marina Levenshtien (Jasmine)
15:30-15:50	Coffee Break			
15:50-17:00	SESSIONS			
	B5: Software Engineering and Electrical and Electronic Engineering Chair: Zakharia Frenkel (Oren 2)	B6: Engineering Education and General Studies Chair: David Pundak (Dekel 2)	B7: Biotechnology Engineering Chair: Sarit Sivan (Oren 1)	B8: Applied Mathematics Chair: Haggi Katriel (Jasmine)
17:00-17:20	CLOSING SESSION (Oren 2) <i>Professor Zeev Barzily - Vice President for Academic Affairs</i>			

DETAILED PROGRAM

Wednesday, October 7, 2015	
9:00-10:00	Arrival and registration
10:00-10:15	OPENNING (Oren 2) <i>Professor Arie Maharshak,</i> <i>President, ORT Braude College</i>
10:15-11:05	PLENARY 1 (Oren 2) <i>Professor David Gershoni,</i> <i>The Joseph and Bessie Feinberg Academic Chair Head of the</i> <i>Solid State Institute The Physics Department Technion - Israel</i> <i>Institute of Technology</i> Quantum optics and semiconductor quantum dots
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12:00-13:00	SESSION on Engineering Education (Oren 2) <i>Chair: Elena Trotskovsky</i>
12:00-12:20	Analysis of Electrical and Electronics Students' Obstacles in Studying Physics – work in progress <i>Nissim Sabag, Eli Raz</i>
12:20-12:40	Education for Web-Learning <i>David Pundak</i>
12:40-13:00	Effective student mentoring <i>Miri Shacham, Sharon Tedhar, Dvora Toledano-Kitai,</i> <i>David Pundak</i>
13:00-14:40	Lunch and Check-in Hotel
14:40-16:00	SESSION A1: Software Engineering (Dekel 2) <i>Chair: Orly Yahalom</i>
14:40-15:00	Current progress protein connectivity network annotation approach <i>Zakharia Frenkel, Avi Sofer, Zeev Volkovich</i>
15:00-15:20	Prediction of expensive coverage metrics using metrics assemblies <i>Katerina Korenblat, Avi Soffer, Shmuel Url, Zeev Volkovich</i>
15:20-15:40	A Model Selection Method for Heavy-tailed Clustering <i>Dvora Toledano-Kitai, Renata Avros, and Zeev Volkovich</i>
15:40-16:00	Locating software faults by analyzing test results <i>Katerina Korenblat, Avi Soffer, Zeev Volkovich</i>
14:40-16:00	SESSION A2: Mechanical Engineering (Oren 1) <i>Chair: Uri Ben-Hanan</i>
14:40-15:00	Rehabilitation biomechanics - perceptions of graduates <i>Orit Braun Benyamin, Orna Muller, Noga Shavit</i>

15:00-15:20	From biomass to biocoal: Small-scale torrefaction of forestry and agricultural waste <i>Michael Koenig</i>
15:20-15:40	An analytical study of electromechanical buckling of micro spherical thin film bonded to a spherical compliant substrate <i>Samy Abu salih</i>
15:40-16:00	Characterization of Mg Bulk Metallic Glasses <i>Michael Regev, Alexander Katz-Demyanetz</i>
14:40-16:00	SESSION A3: Applied Mathematics (Jasmine) Chair: Gabi Ben-Simon
14:40-15:20	Wireless communication, orthogonal designs and representations of Clifford algebra <i>Alexander Vasiliev</i>
15:20-15:40	Bounding the number of eigenvalues of some linear operators in Banach spaces <i>Haggai Katriel</i>
15:40-16:00	On the Estimates for Parabolic Pseudodifferential Operators in the Spaces of Gel'fand-Shilov <i>Yakov Lutsky</i>
14:40-16:00	SESSION A4: Industrial Engineering and Management (Oren 2) Chair: Hussein Naseraldin
14:40-15:00	The Impact of National Culture On The Use and Outcomes of E-HRM <i>Hilla Peretz, Emma Parry</i>
15:00-15:20	Statistical estimation of population parameters with multiple measurements <i>Tamar Gadrich, Haggai Katriel</i>
15:20-15:40	Two Servers Flow-Shop Network Optimal Control: Fluid Model and Simulation Approach <i>Yariv N. Marmor</i>
15:40-16:00	Estimating accuracy of categorical measurements using the confusion matrix <i>Tamar Gadrich and Emil Bashkansky</i>
16:00-16:20	Coffee Break
16:20-17:40	SESSION A5: Electrical and Electronic Engineering; Physics and Optical Engineering (Dekel 2) Chair: Eduard Eitelberg
16:20-16:40	Fast Feedback System Based on Android Smartphone <i>Dima Bulkin, Samuel Kosolapov</i>
16:40-17:00	Proposal for a stationary nano-SQUID <i>Jorge Berger</i>
17:00-17:20	The influence of power quality on various types of customers <i>Dani Kotek</i>
17:20-17:40	New Compact Wearable Meta-material Antennas for Medical Systems <i>Albert Sabban</i>

16:20-17:40	SESSION A6: Industrial Engineering and Management (Oren 2) <i>Chair: Tamar Gadrich</i>
16:20-16:40	The Balance Scorecard versus Quality Award Models as Strategic framework <i>Shuki Dror</i>
16:40-17:00	Training for Exploration Disposition in Theory of Mind <i>Doron Faran, Nirit Gavish, Mark Berman</i>
17:00-17:20	The effect of timing and complexity of the decision aid in a decision support system for supply chain management <i>Nirit Gavish, Hussein Naseraldin</i>
17:20-17:40	Busy period analysis of the fork join queue <i>Rachel Ravid</i>
16:20-17:40	SESSION A7: Biotechnology and Mechanical Engineering (Oren 1) <i>Chair: Iris S. Weitz</i>
16:20-16:40	Computational design of plasticizers for polymers - Experimental validation <i>David Alperstein, Dafna Knani</i>
16:40-17:00	Investigation of copper oxide nanoparticles as a dual imaging modality contrast agent for medical diagnosis <i>Or Perlman, Iris S. Weitz, Haim Azhari</i>
17:00-17:20	Emulsification and gelling properties of whey protein concentrates and isolates: a comparative study. <i>Amal Rouhana-Toubi, Yael Rosenberg, Moshe Rosenberg</i>
17:20-17:40	Simulation of novel Soy protein-based systems for tissue regeneration applications <i>Dafna Knani</i>
16:20-17:40	SESSION A8: Engineering Education and General Studies (Jasmine) <i>Chair: Yael Furman Shaharabani</i>
16:20-16:40	Critical Thinking Development during Engineering Studies <i>David Pundak, Rivka Wiser, Miri Shacham</i>
16:40-17:00	Students of Engineering on Behalf of People with Disabilities: Evaluating the Impact of OBC's Flagship Project. <i>Orna Muller, Orit Braun Benyamin, Noga Shalit</i>
17:00-17:20	Mathematical and Engineering Understanding: Engineering Students' Perceptions (Work in Progress) <i>Ira Rave, Elena Trotskovsky Nissim Sabag</i>
17:20-17:40	Conceptual Frameworks in Astronomy of Engineering Students <i>David Pundak</i>
17:40-18:45	<i>Leisure Time</i>
18:45-20:00	<i>Dinner</i>
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20:50...	<i>Social Evening</i>

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7:00-9:20	Breakfast
9:30-10:20	PLENARY 3 (Oren 2) <i>Professor Hagit Messer Yaron,</i> <i>Vice Chair, Council for Higher Education.</i> Directions in Higher education
10:20-11:00	Hotel Check-out and Coffee Break
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11:50-12:50	SESSION on Engineering Education (Oren 2) <i>Chair: Miri Shacham</i>
11:50-12:10	Teaching for understanding: pre-service Engineering and mathematics teachers' perceptions Yael Furman Shaharabani
12:10-12:30	Implementing the Thinking Approach in language learning in higher education <i>Linda Weinberg, Suzi Ashkenazy</i>
12:30-12:50	How do engineering students misunderstand the concept of accuracy? – Work in progress <i>Elena Trotskovsky, Nissim Sabag</i>
12:50-14:10	Lunch
14:10-15:30	SESSION B1: Industrial Engineering and Management (Oren 2) <i>Chair: Shuki Dror</i>
14:10-14:30	Optimal offset allocation in Rafael <i>Moshe Gertsman, Hussein Naseraldin</i>
14:30-14:50	Job-Shop Adaptive Scheduling: A Robust Optimization Approach <i>Hussein Naseraldin, Boris Shnits</i>
14:50-15:10	An appointment scheduling policy for healthcare systems with multiple servers, non-flexible uptake time and pre-determined services levels <i>Ilana Ben David, Yariv N. Marmor, Boris Shnits</i>
14:10-15:30	SESSION B2: Mechanical Engineering (Oren 1) <i>Chair: Michael Regev</i>
14:10-14:30	Solution Approaches for Multi-Objective Games with Different Attitudes toward Objectives Preference <i>Erella Eisenstadt-Matalon, Amiram Moshaiov, Gideon Avigad</i>
14:30-14:50	Investigation of drilling materials under controlled process conditions with a new testing system <i>Uri Ben-Hanan, Roman Feldchtein, Rafi Wertheim</i>

14:50-15:10	A locust inspired miniature jumping robot <i>Valentin Zaytsev</i>
15:10-15:30	Cooperation between two inverted pendulum two wheels robots. <i>Uri Ben-Hanan</i>
14:10-15:30	SESSION B3: Electrical and Electronic Engineering; Physics and Optical Engineering (Dekel 2) <i>Chair: Jorge Berger</i>
14:10-14:30	Quasi steady state solution for a realistic version of a Physics 1M examination question <i>Eduard Eitelberg</i>
14:30-14:50	Orientation Dynamics of Asymmetric Rotors Using Random Phase Wave Functions <i>Shimshon Kallush</i>
14:50-15:10	Extended Model of the Pinhole Camera <i>Samuel Kosolapov</i>
15:10-15:30	harmonics with frequency-varying polarization within each harmonic by attosecond control of recollisions <i>Avner Fleischer</i>
14:10-15:30	SESSION B4: Applied Mathematics (Jasmine) <i>Chair: Marina Levenshtien</i>
14:10-14:30	Upper Value of a Singular Infinite Horizon Zero-Sum Linear-Quadratic Differential Game <i>Valery Glizer, Oleg Kelis</i>
14:30-14:50	On radii of spirallikeness <i>Mark Elin, David Shoikhet</i>
14:50-15:10	On the composition of finite rotations in four dimensional euclidean space <i>Alex Goldvard Lavi Karp</i>
15:10-15:30	Linear operators in spaces with indefinite metrics <i>Victor Khatskevich</i>
15:30-15:50	Coffee Break
15:50-17:10	SESSION B5: Software Engineering and Electrical and Electronic Engineering (Oren 2) <i>Chair: Zakharia Frenkel</i>
15:50-16:10	Ancient Jewish historical documents reconstruction software <i>Zakharia Frenkel, Elena Rave, Zeev Volkovich</i>
16:10-16:30	An Iterative Projective Clustering Method <i>Renata Avros, Dvora Toledano-Kitai, Zeev Volkovich</i>
16:30-16:50	New approach for modeling perceived Image Quality by Smartphone users <i>Pinchas Zorea</i>
16:50-17:10	Repurposing – the open mine for diamonds <i>Shai Yarkoni</i>

15:50-17:10	SESSION B6: Engineering Education and General Studies (Dekel 2) <i>Chair: David Pundak</i>
15:50-16:10	The Contribution of Internal and External Factors on Adjustment and Academic Achievement of Students in Higher Education <i>Hagit Krisher, Zipora Shechtman</i>
16:10-16:30	The 'Winning Couple's Treasures ' Program for Children in Israel - Stress Reduction and Enhancing Resiliency <i>Miri Shacham, Judith Spanglet, Meirav Tal-Margalit</i>
16:30-16:50	Career Development Program's Contribution to Students, Graduates and Employers in ORT <i>Meirav Resenfeld, Miri Shacham</i>
16:50-17:10	Development of Online Course <i>David Pundak, Nissim Sabag, Elena Trotskovsky</i>
15:50-17:10	SESSION B7: Biotechnology Engineering (Oren 1) <i>Chair: Sarit Sivan</i>
15:50-16:10	Impact of Oxidative Stress on cognitive dysfunction in Obese Individuals with Metabolic Risk Factors <i>Maria Grozovski, Nelly Bar Guy, Nimer Assy</i>
16:10-16:30	Characterisation of syncytiotrophoblast vesicles in normal pregnancy and pre-eclampsia: expression Galectin-13 <i>Sammar Marei</i>
16:30-16:50	Anti-restenotic, anti thrombotic biomimetic surface <i>Meital Alagem, Elina Kivovich, Itai Tzchori, Naomi Lanir, Meizid Falah, Moshe Flugelman, Uri Dinnar, Refael Beyar, Noah Lotan, Sarit Sivan</i>
16:50-17:10	A New Mechanism of Action for Old Drugs <i>Leah Roitman, Jenny Kristallovich, Nicholas Harris</i>
15:50-17:10	SESSION B8: Applied mathematics (Jasmine) <i>Chair: Haggai Katriel</i>
15:50-16:10	Invariants for orbits in two dynamical systems <i>Gabi Ben-Simon</i>
16:10-16:30	Gradient and Extragradient methods for the inverse problem of tumor identification <i>Aviv Gibali</i>
16:30-16:50	Intuitive and analytic pattern-finding tendencies in naive subjects <i>Mark Berman, Raphael stien</i>
16:50-17:10	
17:10-17:30	CLOSING SESSION (OREN 2) <i>Professor Zeev Barzily – Vice President for Academic Affairs</i>