



The Test Engineering Branch at AEAI is inviting you to

THE FOURTH CONFERENCE AND EXHIBITION ON TEST ENGINEERING

30th May 2019
Kfar Maccabiah | Ramat Gan

Time	Subject	Author
08:30-09:00	Registration and gathering	
09:00-09:20	Welcoming	Dr. Moshe Zilberman, Conference Chairman
	AEAI Chairman	Ehud Noff
	Israel Society of Mechanical Engineers and Aerospace AEAI, Chairman	Dr. Emanuel Liban
	Ministry of Science and Technology, Chief Scientist	Prof. Alexander Bligh
09:20-10:55	Keynote Lectures	Dr. Moshe Zilberman
09:20-10:05	Aerodynamic Flow Control using Distributed Fluidic Actuation	Prof. Ari Glezer, The George W. Woodruff School of Mechanical Engineering Chair
10:05-10:30	Assessment of vibro-acoustic performance of all-electric aircraft, based on ground and in-flight measurements	Dr. Filip Deblauwe , Simulation & Test Solutions, Siemens Industry Software NV Belgium
10:30-10:55	Improving dynamic environmental tests with MIMO (multiple-input-multiple-output) technology	Eng. Swen Vandenberg, Senior Application Engineer – Testing, Siemens Industry Software NV Belgium
11:05-11:20	Coffee Break	
11:20-11:45	Plenary Lecture	
11:20-11:45	Rafael test field	Moty Heiferman, Director of RAFAEL – Weapon Test & Evaluation Center (WTEC)
11:45-13:00	Session 1 – Aerospace & Deff	Alexander Bershtman, Elbit
11:45-12:00	Head Mounted Systems (HMS) Testing for Safety Of Flight (SOF)	Gabriel Messer, Elbit Systems – Aerospace
12:00-12:15	Management-team preparation for field test	Shay Sharabi, Rafael
12:15-12:30	Environmental Control System and Smoke Detection System Tests During the Conversion of B737-700 From Passengers to Freighter Configuration	Matan Pe'er, Ground Test Engineer, IAI
12:30-12:45	Evaluation of a Safety Polygon for Interception Test with Uncertainties	Dr. Jacob Komlos, Consultant for analysis of R & D and safety systems

The Test Engineering Branch at AEAI is inviting you to

THE FOURTH CONFERENCE AND EXHIBITION ON TEST ENGINEERING

30th May 2019
Kfar Maccabiah | Ramat Gan

12:45-13:45	Lunch	
13:45-14:30	Session 2 – Novel Energy	Dr. Andrey Broisman, MOST
13:45-14:00	The optimization of Vertical Axis Wind Turbine (VAWT), Phase 1	Dr. Moshe Zilberman, Azrieli, Academic College of Engineering, Jerusalem
14:00-14:15	Vibration Disassociation of H2O molecule	Sonya Davidson- H2 Energy Now
14:15-14:30	Calorimetry in a Solar Power Plant	Dr. Pinchas Doron, Azrieli , Academic College of Engineering, Jerusalem
14:30-15:15	Session 3- Bio Engineering	Dr. Haytam Kasem
14:30-14:45	Incorporating Poorly-Soluble Drugs in Biodegradable Polymeric Nanoparticles for Topical Drug Delivery	Dr. Aiman Abu Ammar, Azrieli College of Engineering
14:45-15:00	Customized test-rig for the measurement of adhesion and friction forces in bionic soft microstructures under dry and wet contact conditions	David Badler ^{1,2} and Haytam Kasem ^{1,2} , ¹ Azrieli College of Engineering,Jerusalem, ² Technion Haifa
15:00-15:15	Influence of surface texturing and chemical composition on adhesive proprieties of mucoadhesive tablet for oral disorders treatment	Kareem Abd Rabo ^{1,3} , Avi Domb ³ , Haytam Kasem ^{1,2} , ¹ Azrieli College of Engineering, Jerusalem ² Technion Haifa, Israel, ³ Hebrew University Hadassah Medical School
15:15-15:30	Coffee Break	
15:30-15:45	Session 4 – MATMON IDF	Lt. col. Dan Kanter, Head of the Automotive Systems Branch
15:45-16:00	Challenges in approving robotics systems	Major Eugene Adamovski, Mr Tomer shemesh, MATMON unit
16:00-16:15	Connecting fields testing with dynamic FE analysis	Captain Ilya Genkin, MATMON unit.
16:15-16:30	Simulation and testing based development of ballistic protection	Captain Lev Misiuk, MATMON unit
16:30-17:00	closing lecture: BERESHEET tests	Tal Ben Yaacov, SPACE IL