

iTOF Workshop

INTERNATIONAL TIME-OF-FLIGHT WORKSHOP

9-13 March 2014, Ein Gedi, Israel

Sunday, March 09

	Arrival and Registration
18:00 to 20:00	Dinner
20:00	Gathering and Workshop Opening - Lobby Patio area.

Monday, March 10, 2014

07:00 to 08:45	Breakfast
09:00 to 11:00	Session 1: 1. Giora Yahav , Microsoft Opening talk 2. Edoardo Charbon , University of Delft "Time-of-Flight Approaches to SPAD and SiPM Imaging" 3. Christoph Garbe , University of Heidelberg, "Algorithmic Enhancement and Validation for Time-of-Flight Imaging"
11:00 to 11:30	Coffee Break
11:30 to 13:00	Session 2: 1. Christian Theobalt , MPI Informatik "Sensor Fusion in Time-of-Flight Imaging and Depth-Based Performance Capture" 2. Zeev Zalevsky , Bar-Ilan University "Novel Concepts for Photonic Ranging" 3. Johannes Steurer , ARRI "Exploring New Avenues in Motion Picture Production: A Groundbreaking RGB+Z Camera Demands Cutting-Edge Time-of-Flight Technology"
13:00 to 14:00	Lunch
14:00 to 16:00	Session 3: 1. Nobukazu Teranishi , University of Hyogo / Shizuoka University "A Review for Global Shutter Image Sensors" - keynote 2. Erez Tadmor , Microsoft "Time-of-Flight Image Sensor Characterization" 3. Tohru Yamada , AIS Panasonic "Pixel Design and Technologies for Time-of-Flight Sensor"
16:00 to 16:30	Coffee Break
16:30 to 18:30	Session 4: 1. Reinhard Koch , University of Kiel, "Model-based Analysis of Dynamic Scenes from Range-Color Video" 2. Amos Feningstein , TowerJazz "IR SPAD Development in TowerJazz" 3. Ruigang Yang , University of Kentucky "High-Accuracy Gait Analysis using A Single Depth Camera for Medical Applications"
18:30 to 20:00	Dinner at the Hotel
20:00	Happy Hour at the Hotel Spa

Tuesday, March 11

07:00 to 08:45	Breakfast
09:00 to 11:00	Session 5: 1. Erhardt Barth , University of Luebeck / Gestigon "Gesture Interfaces with Depth Sensors" - keynote 2. Keita Yasutomi , Shizuoka University "High-Resolution Time-of-Flight Range Imagers with Lateral Electric Field Modulators" 3. Matthias Hullin , MPI Informatik / University of Bonn "Transient Imaging with Photonic Mixer Devices"
11:00 to 11:30	Coffee Break
11:30 to 13:00	Session 6: 1. Daniel Freedman , Microsoft "Sparse Reflections Analysis: Fast Removal of General Multipath for Time-of-Flight Sensors" 2. Assaf Lahav , TowerJazz "Ultra High Speed Imaging - Highlights from Kirania" 3. Ayush Bhandari , MIT media lab "Multi-frequency Methods for Solving Inverse Problems in TOF Imaging"
13:00 to 14:00	Lunch
14:00 to 16:00	Session 7: 1. Andreas Kolb , University of Siegen "Time-of-Flight Data Processing, Challenges and Solutions" - keynote 2. Daniel Van Nieuwenhove , Softkinetic "Time-of-Flight: How to Make Lower Power, Lower Noise and Higher Accuracy Work Together" 3. Juergen Gall , University of Bonn "From Pose to Affordance"
16:00 to 16:30	Coffee Break
16:30 to 18:30	Session 8: 1. Shahram Izadi , Microsoft Research "Designing Interactive User Experiences Using Advanced 3D Computer Vision Techniques" 2. Bernhard Buttgen , MESA Imaging "Power Considerations for Time-of-Flight Imaging in Mobile Devices" 3. Seiichiro Mizuno , Solid State Division - Hamamatsu Photonics "Industrial Time-of-Flight Sensor Development at Hamamatsu Photonics"
20:00	Dinner under the Stars – Gathering at the lobby.

Wednesday, March 12

08:30 to 14:00	Day Trip to Massada
17:00 to 19:00	Session 9: 1. Micha Feigin-Almon , MIT media lab "Time Resolved Imaging and Applications" 2. Yebin Liu , Tsinghua University "Fourier Analysis on Transient Imaging by Time-of-Flight Camera" 3. Refael Whyte , Waikato University "Novel Methods for Resolving Multipath in Time-of-Flight Cameras" 4. Ofer David , BrightWay Vision "Active Gated Imaging for Automotive Safety Applications"
19:00 to 20:00	Dinner
20:00	Demos, Farewell cocktail.

Thursday, March 13

08:30 to 14:00	Botanical garden tour (Optional)
	Check-Out & Departure