

# 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	<b>Dinner</b>
20:00	Gathering and Workshop Opening - Lobby Patio area.

## Monday, March 10, 2014

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

## Tuesday, March 11

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

## Wednesday, March 12

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

## Thursday, March 13

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