

Agenda

Note: All times refer to PDT (=GMT-7)



1:30 – 1:40	Welcome
<i>Session 1: Keynote (Chaired by Stefan Wesarg)</i>	
1:40 – 2:25	Keynote: <i>Digital Twins in Medicine</i> Prof. Mathias Unberath (Johns Hopkins University, Baltimore, MD)
<i>Session 2: Paper presentation and discussion (Chaired by Stefan Wesarg)</i>	
2:25 – 2:45	<i>Subject-specific Modelling of Knee Joint Motion for Routine Pre-operative Planning*</i> Jeffry Hartanto, Wee Kheng Leow, Andy Khye Soon Yew, Joyce Suang Bee Koh, Tet Sen Howe
2:45 – 3:05	<i>Towards fine-grained polyp segmentation and Classification</i> Yael Tudela, Ana García-Rodríguez, Glòria Fernández-Esparrach, Jorge Bernal
3:05 – 3:25	<i>Automated Orientation and Registration of Cone-Beam Computed Tomography scans*</i> Luc Anchling, Nathan Hutin, Yanjie Huang, Selene Barone, Sophie Roberts, Felicia Miranda, Marcela Gurgel, Najla Al Turkestani, Sara Tinawi, Jonas Bianchi, Marilia Yatabe, Antonio Ruellas, Juan Carlos Prieto, Lucia Cevitanes
3:25 – 4:00	Break
<i>Session 3: Paper presentation and discussion (Chaired by Stefan Wesarg)</i>	
4:00 – 4:20	<i>Deep Learning-Based Fast MRI Reconstruction: Improving Generalization for Clinical Translation*</i> Nitzan Avidan, Moti Freiman
4:20 – 4:40	<i>Uncertainty Based Border-Aware Segmentation Network for Deep Caries</i> Gayeon Kim, Yufei Chen, Shuai Qi, Yujie Fu, Qi Zhang
4:40 – 5:00	<i>Automated Hand Joint Classification of Psoriatic Arthritis Patients Using Routinely Acquired Near Infrared Fluorescence Optical Imaging</i> Lukas Zerweck, Stefan Wesarg, Jörn Kohlhammer, Michaela Köhm
5:00 – 5:20	<i>Automatic Neurocranial Landmarks Detection From Visible Facial Landmarks Leveraging 3D Head Priors</i> Oded Schlesinger, Raj Kundu, Stefan Goetz, Guillermo Sapiro, Angel V. Peterchev, J. Matias Di Martino
5:20 – 5:40	<i>An efficient and accurate neural network tool for finding correlation between gene expression and histological images</i> Guy Shani, Moti Freiman, Yosef E. Maruvka
<i>Session 4: Best paper award (Chaired by Stefan Wesarg)</i>	
5:40 – 6:00	Best paper award ceremony and closing remarks

*Best paper candidates