

Name of Workshop: Hot Topics in 3D (Hot3D)

Organizers: Aydin Alatan, Atanas Gotchev, Touradj Ebrahimi

09:00-09:50

Plenary Talk: Fernando Pereira (Instituto Superior Técnico and Instituto de Telecomunicações, Portugal),
JPEG PLENO: Going Deep the Plenoptic Way

09:50-10:15

Oral Session: Position papers, Part 1

ID	Paper title	Authors and affiliations
	Light field reconstruction from sparse set of rectified camera views	Suren Vagharshakyan, Robert Bregovic, Atanas Gotchev , Tampere University of Technology, Finland

10:45-12:05

Oral Session: 3D scene representations and related processing

ID	Paper title	Authors and affiliations
162	A HYBRID METRIC FOR CAMERA POSE ESTIMATION IN RGB-D RECONSTRUCTION	Fei Guo, Yifeng He, Ling Guan , Ryerson University, Canada
38	HOLE-FILLING FOR SINGLE-VIEW PLUS-DEPTH BASED RENDERING WITH TEMPORAL TEXTURE SYNTHESIS	D M Motiur Rahaman, Manoranjan Paul , Charles Sturt University, Australia
143	Computer Generated Hologram from Multiview-plus-Depth data considering specular reflections	Antonin Gilles , IRT b-com; Patrick Gioia , Orange Labs; Rémi Cozot , Université de Rennes 1; Luce Morin , INSA Rennes, France
96	LIGHT FIELD IMAGING CODING: PERFORMANCE ASSESSMENT METHODOLOGY AND STANDARDS BENCHMARKING	Gustavo Alves , UFRJ, Brasil; Fernando Pereira , Instituto Superior Técnico, Portugal; Eduardo Silva , UFRJ, Brasil

14:00-14:50

Plenary Talk: Bernard Kress (Microsoft, USA), Optical technologies enabling next generation AR and VR wearable displays: large FOV, high resolution and small footprint

14:50-15:15

Oral Session: Position papers Part 2

ID	Paper title	Authors and affiliations
	A NEW CONTENT FORMAT FOR IMMERSIVE EXPERIENCES	Joan Llobera , i2cat Foundation, Spain

15:45-16:45

Oral Session: 3D Audio and Video processing for VR applications

ID	Paper title	Authors and affiliations
36	Visibility Preprocessing Suitable for Virtual Reality Sound Propagation with a Moving Receiver and Multiple Sources	Damon Shing-Min Liu, Chang-Ming Tan , National Chung Cheng University, Taiwan
113	Reducing Perspective Distortion for Stereoscopic Image Stitching	Weiqing YAN, Chunging Hou , UC Berkeley, USA
164	Bayesian View Synthesis For Video Stitching	Jianmei Su, Ao Luo, Lu Yang; Hong Cheng , University of Electronic Science and Technology of China, China

16:45-17:10

Oral Session: Position papers, Part 3

ID	Paper title	Authors and affiliations
	Big 3D Information Bang VR vs LF	Tibor Balogh , Holografika, Hungary

17:10-17:50

Panel session: Light Field and Virtual Reality: Convergence and Divergence

Participants:

1. Fernando Pereira, Instituto Superior Técnico and Instituto de Telecomunicações, Portugal
2. Bernard Kress, Microsoft, USA
3. Tibor Balogh, Holografika, Hungary
4. Joan Llobera, i2cat Foundation, Spain

Moderated by Atanas Gotchev, Tampere University of Technology