

IWH2017 Program

Wednesday 22-Nov-17

13:00	Opening				
13:20	22p1	Shinji Hayashi	Microsoft Japan	Japan	Microsoft HoloLens in the Modern Workplace
14:00	22p2	Yoshio Hayasaki	Utsunomiya Univ.	Japan	Volumetric bubble display
14:30	22p3	Tomoyasu Saigo	Nagoya Inst. of Tech.	Japan	Holographic Optical Elements in Machine Vision Lighting
14:45	22p4	Yuki Nagahama	Chiba Univ.	Japan	Development of Auto-focus System of Holographic Projector Using RGB-D Camera
15:00	Break				
15:30	22p5	Yutaro Katano	NHK	Japan	Deep-Learning Based Data Demodulation for High Density Holographic Data Storage
16:00	22p6	Po-Kai Hsieh	National Central Univ.	Taiwan	Servo Compensation method of position error on Volume Holographic Disc
16:15	22p7	Yusuke Saita	Wakayama Univ.	Japan	Simultaneous Recording and Reading of Multiple Data Pages for Coaxial Holographic Data Storage Using Computer-Generated Hologram
16:30	22p8	Tsutomu Shimura	Univ. Tokyo	Japan	Tutorial : Multiplexed volume holography and polarization
17:00	Break				
18:00	Banquet				

Thursday 23-Nov-17

9:30	23a1	Takanori Nomura	Wakayama Univ.	Japan	Computational Optical Sensing and Imaging Based on Information Photonics
10:00	23a2	Daisuke Barada	Utsunomiya Univ.	Japan	Spatial Sampling Theory for Holographic Data Storage with Low-Spatial Frequency Data Page Pattern under Nyquist Frequency
10:30	23a3	Shimpei Shimizu	Hokkaido Univ.	Japan	Optimization of Volume Holographic Spatial Mode Demultiplexer with a Phase Plate Using Simulated Annealing
10:45	23a4	Yuji Sakamoto	Hokkaido Univ.	Japan	Development of Holo-HMD and remaining issue
11:15	Break				
11:30	23a5	Hiroshi Yoshikawa	Nihon Univ.	Japan	A Study on Objective Image Quality Evaluation of Computer-Generated Hologram
12:00	23a6	Yih-Shyang Cheng	National Central Univ.	Taiwan	Transmission Spherical-Type Multiplex Holography: Theory
12:15	23a7	Yu-Hsin Tu	National Central Univ.	Taiwan	Reconstruction Reference Wave Design for the Copying System in Normal Viewing Disk-type Multiplex Holography
12:30	Lunch				
14:00	23p1	Liangcai Cao	Tsinghua Univ.	China	Block-wise Compressive Digital Holography
14:30	23p2	Nobukazu Yoshikawa	Saitama Univ.	Japan	Object wave reconstruction by generalized phase-shifting digital holography using normalized interference fringe
14:45	23p3	Qiyue Yu	Qingdao Univ.	China	Development of color digital holographic microscope system using multiple light sources
15:00	23p4	Masahiro Yamaguchi	Tokyo Inst. Tech.	Japan	Full-parallax light-field and holographic displays for enriched 3D visual experience

15:30	Poster session				
	P1	Ching-Cherng Sun	National Central Univ.	Taiwan	A Comparison of Beam Shaping by DOE and ROE
	P2	Fumiya Mizukawa	Hokkaido Univ.	Japan	Improvement of Conversion Accuracy in Volume Holographic Mode-Demultiplexing Converter Using Shaped Beams
	P3	Hiroshi Tabuchi	Okamoto Glass Co., Ltd.	Japan	Photopolymer Film, FIGURA : Contribution of Development of High Holographic Technologies.
	P4	Kazusa Oe (Ms.)	Wakayama Univ.	Japan	Experimental demonstration of twin-image reduction method using a diffuser for in-line digital holography.
	P5	Ryo Omori	Tokyo Univ.	Japan	Principle and characteristics of phase modulated time series collinear holographic memory
	P6	Satoshi Tagami	Utsunomiya Univ.	Japan	Vectorial Light Propagation Analysis of Scalar Holographic Data Storage Using a Vector Diffraction method
	P7	Siti Nabilah Hassan (Ms.)	Utsunomiya Univ.	Japan	Hyperspectral digital holography for observing biological stained sample
	P8	Takemitsu Mizuki(Mr.)	Hokkaido Univ.	Japan	Analysis of Transient Visual Evoked Potential on Electro-holographic Image
	P9	Tomohiro Maeda	Hokkaido Univ.	Japan	Design of Complex Amplitude Modulation for Suppressing Optical Loss in Mode Conversion by Considering Radiation Modes
	P10	Yuta Goto	Hokkaido Univ.	Japan	Multiplexing and Demultiplexing of Digital Images using Virtual Phase Conjugation for High-Density Holographic Data Storage
	P11	Yuya Nakamura	Utsunomiya Univ.	Japan	Improvement of Signal to Noise Ratio in Phase-multivalued Holographic Data Storage by Limiting Aperture Opening of Imager Pixels
	P12	Zehao He	Tsinghua Univ.	China	Design of Color LED Holographic Display System Based on DMD
	P13	Yuki Kunii	Utsunomiya Univ.	Japan	Phase-encoded signal detection by using inter-pixel crosstalk
17:00	End of session				

Friday 24-Nov-17

9:30	24a1	Yuan Luo	National Taiwan Univ.	Taiwan	3D Engineered Volume Holographic Pupil for Imaging and Manipulation" with authorship of Yuan Luo, Chen Yen Lin, and Sunil Vyas.
10:00	24a2	Osamu Matoba	Kobe Univ.	Japan	Fluorescence imaging by common-path off-axis digital holography
10:30	Break				
11:00	24a3	Toshihiro Kasezawa	Egarim Co., Ltd.	Japan	1mm-thick Holographic Polarized Beam Splitter ~Ega-rim PBS~
11:30	24a4	Yusuke Sando	Osaka Res. Inst. of Ind. Sci. and Tech.	Japan	Calculation method for computer-generated hologram considering parabolic mirror reflection for viewing zone enlargement
11:45	24a5	Yuki Oguro	Hokkaido Univ.	Japan	Automatic Lens Distortion Correction Method for Compact Holographic HMD
12:00	24a6	Yeh-Wei Yu	National Central Univ.	Taiwan	Producing Opposite Virtual Objective inside Mimic Bio-tissue using Holography-based optical phase conjugation
12:30	Lunch				
14:00	24p1	Yuichi Nakamura	Toyohashi Univ. of Tech.	Japan	Development of Heat Sink Multi-Layered Media for Magnetic Hologram with Errorless Reconstruction
14:30	24p2	Ryushi Fujimura	Utsunomiya Univ.	Japan	Influence of Media Shrinkage in Phase Encoded Holographic Memory
15:00	24p3	Xiaodi Tan	Beijing Inst. of Tech.	China	Dual-channel Holographic Recording with Orthogonal Linear Polarization Holography
15:30	Closing				