



Monday 9 October 2017				
09:00	09:30	Arrival & coffee		
09:30	09:35	Welcome speech by Prof. Urbach (Delft University of Technology), organiser of the conference		
09:35	10:10	Session 1: <i>Holography I</i>	Marriage between Holography and Statistical Optics for Unconventional Imaging: Coherence Holography and Holographic Correloscopy (invited) Mitsuo Takeda, Untsunomiya University, Japan	
10:10	10:30		Quantitative phase and attenuation imaging using optical coherence computed tomography Jelle van der Horst, Delft University of Technology, The Netherlands	
10:30	10:50		Nanoscale lensless stereo imaging using dual coherent soft X-ray beams Rémy Cassin, CEA-Saclay, France	
10:50	11:10	Break		
11:10	11:45	Session 2: <i>Phase Retrieval and Computational Imaging I</i>	X-Ray Ptychography (invited) Andreas Menzel, Paul Scherrer Institute, Switzerland	
11:45	12:05		Sampled optical fields for sensing and imaging G. Vdovin, Delft University of Technology, The Netherlands	
12:05	12:25		Interference-probe ptychography for visible light applications Dirk Boonzajer Flaes, Vrije Universiteit Amsterdam, The Netherlands	
12:25	12:45		The optimal sampling point distribution for aberrated wavefunctions Bernhard J. Hoenders, University of Groningen, The Netherlands	
12:45	14:00	Lunch Break		
14:00	14:35	Session 3: <i>Adaptive Optics and WaveFront Sensing</i>	Adaptive optics from microscopy to nanoscopy (invited) Martin J. Booth, University of Oxford, UK	
14:35	14:55		Model based sensorless adaptive optics in confocal microscopy with reflective pinholes Paolo Pozzi, Delft University of Technology, The Netherlands	
14:55	15:15		Pupil plane wavefront sensor technologies at Leiden Observatory Maaïke van Kooten, Leiden Observatory, The Netherlands	
15:15	15:35		Shack-Hartmann wavefront sensor based phase microscopy Hai Gong, Delft University of Technology, The Netherlands	
15:35	15:55	Break		
15:55	16:30	Session 4: <i>Quantum Effects in Phase measurement and Tomography</i>	Quantum-enhanced phase measurement in interferometric metrology (invited) Bahaa Saleh, University of Central Florida, USA	
16:30	16:50		Photon counting optical encryption Inbarasan Muniraj, University College Dublin, Ireland	
16:50	17:10		To be announced Johannes de Boer, Vrije Universiteit Amsterdam, The Netherlands	
17:10	18:00	<i>Visit Holography Exhibition & Drinks</i>	SPIE FOCUS <i>(open to all students)</i>	Leadership Workshop
18:00	20:00			Social event for students



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09:00	09:35	Session 5: <i>Phase Retrieval and Computation Imaging II</i>	Ptychography: accurate, self-calibrating phase imaging (invited) John Rodenburg, University of Sheffield, UK
09:35	09:55		Local smoothing edge preserving filters Firas Sawaf, Delft University of Technology, The Netherlands
09:55	10:15		Impact of design-parameters on the optical performance of a high-power adaptive mirror Wouter Koek, TNO, The Netherlands
10:15	10:35		Simultaneous Compressive Imaging with Phase Aberrations Esteban Vera, Pontificia Universidad Catolica de Valparaiso, Chile
10:35	10:55	Break	
10:55	11:30	Session 6: <i>Diffraction Imaging</i>	Volumetric imaging using Fourier ptychography (invited) Roarke Horstmeyer, Humboldt University of Berlin, Germany
11:30	11:50		To be announced Sander Konijnberg, Delft University of Technology, The Netherlands
11:50	12:10		Compact lens-free phase microscope Manon Rostykus, EPFL, Switzerland
12:10	12:30		Image Reconstruction of Interferometrically Sheared Diffraction Patterns Anne de Beurs, Vrije Universiteit Amsterdam/ARCNL, The Netherlands
12:30	13:45	Lunch Break	
13:45	14:20	Session 7: <i>Holography II</i>	Holographic microscopy and tomography for biomedical applications (invited) Malgorzata Kujawinska, Warsaw University of Technology, Poland
14:20	14:40		Nanoscale single view 3D imaging based on hybrid phase retrieval and in-line holography imaging Maria Kholodtsova, CEA Saclay, France
14:40	15:00		Depth resolved digital holography with sub-millimeter axial resolution Joseph van Rooij, Delft University of Technology, The Netherlands
15:00	15:20		Focal-plane holographic wavefront sensing for astronomical applications Michael Wilby, Leiden Observatory, The Netherlands
15:20	15:40	Break	
15:40	17:00	SPIE FOCUS: Poster Session with drinks	
19:00	21:30	Conference Diner	



Wednesday 11 October 2017			
09:00	09:35	Session 8: <i>Holography III</i>	Exploiting the whole information content of the Light Field: Limitations and Approaches (invited) Wolfgang Osten, University Stuttgart, Germany
09:35	09:55		A novel technique for phase imaging of ex-vivo retina Dino Carpentras, EPFL, Switzerland
09:55	10:15		Coherent imaging using the mutual intensity function Claas Falldorf, Bremer Institut für angewandte Strahltechnik, Germany
10:15	10:35		Starlight Phase Manipulation for Direct Exoplanet Imaging Christoph Keller, Leiden Observatory, The Netherlands
10:35	10:55	Break	
10:55	11:30	Session 9: <i>Novel Phase Manipulation of Optical Beams</i>	Light in Complex Systems (invited) Allard Mosk, Utrecht University, The Netherlands
11:30	11:50		Polarimetric and interferometric measurement of orbital angular momentum imparted by single plasmon nano-antennas Ruslan Röhrich, AMOLF, The Netherlands
11:50	12:10		To be announced Jannik Trapp, Zeiss, Germany
12:10	13:10	Closing & Lunch	