

Computational Imaging 2023: Expert Forum with International Specialists in Wetzlar

10. & 11. May, 2023

START	END	SPEAKER	FROM	TOPIC
13:00	13:30	Dr. Benjamin Dück	Leica Camera AG	Developing Professional Cameras: Past, Present, Future
13:30	14:00	Prof. Sophie Triantaphillidou	University of Westminster	Spatial Frequency response (SFR) estimation from natural Scene captures
14:00	14:30	Dr. Sebastian Bosse	Fraunhofer HHI	Towards neural representations of perceived visual quality
14:30	15:00	COFFEE BREAK		
15:00	15:30	Prof. Ivo Ihrke	University of Siegen	Light Field Imaging and Rich-Data AI
15:30	16:00	Prof. Radu Timofte	University of Würzburg	Advances in Learning ISP and Mobile AI
16:00	16:30	Dr. Dirk Voelkel / Sebastian Tille	Leica Microsystems	From Eye to Insight: Innovations Impacting Human Health
16:30	17:00	COFFEE BREAK		
17:00	17:30	Dr. Robert Prevedel	EMBL Heidelberg	How computational approaches can revolutionize light microscopy in the life sciences
17:30	18:00	Prof. Jan Huisken	University of Göttingen	Compact, modular light sheet microscopes for remote smart microscopy
19:00	22:00	DINNER		

START	END	SPEAKER	FROM	TOPIC
9:30	10:00	Dr. Denis Schapiro	Heidelberg University	"Google Maps" for tissue biology – Mapping tissues with spatial omics technologies
10:00	10:30	Evan Y. Peng	University of Hongkong	Next-Generation VR/AR/MR Display Systems Incorporating Optics and Machine Intelligence
10:30	11:00	Dr. Carl Kesselmann	University of Southern California	Avoiding Garbage In/Garbage Out: A Data Centric Perspective to Making Computational Imaging Experiments Sharable and Reproducible
11:00	11:30	COFFEE BREAK		
11:30	12:00	Prof. Christmann, Pascal Kutschbach, Mark Benyamin	RheinMain University	AI-based HDR reconstruction & expansion for video applications
12:00	12:30	Dr. Feiyan Hu	Dublin City University	Fast and efficient video saliency prediction by knowledge distillation
12:30	13:00	Kevin Höfle	BASLER	Pro and Cons of using AI-Black Box Applications: Collecting experience on a urine sediment analysis project
13:00	14:30	LUNCH TIME		
14:30	15:00	Dr. Thomas Bocklitz	IPHT Jena	Machine learning techniques for photonic imaging techniques
15:00	15:30	Sylvia Schmitt	Leica Camera AG	Challenges when deploying a ML Research results to Production for Embedded Devices
15:30	16:00	DISCUSSION, VISIT EXHIBITION		
16:00	17:00	TOUR LEICA CAMERA		

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