

	<b>Tuesday 17.3.</b>	<b>Wednesday 18.3.</b>	<b>Thursday 19.3.</b>
8:55-9:00	Opening		
9:00-9:30	A. Farina	O. Scherzer	J. Schotland
9:30-10:00	T. Correia	H. Renvall	P. Elbau
10:00-10:30	Coffee	Coffee	Coffee
10:30-11:00	C. Chaux	P. Hirvi	J. Nissinen
11:00-11:30	F. Lucka	N. Ducros	I. Nissilä
11:30-12:00	N. Hyvönen	M. Mozumder	Lunch 11:30-12:15
12:00-13:00	Lunch	Lunch	12:15 - Group discussion  13:30 - Possibility to visit the laboratory at the university
13:00-13:30	Q. Fang	L. Florescu	
13:30-14:00	J. Kangasniemi	M. Machida	
14:00-14:30	A. Bykov	R. Ramlau	
14:30-15:00	Coffee	Coffee	
15:00-15:20	K. Tamarov	J. Rahaman	
15:20-15:40	M. Rodriguez-Vega	A. Hakula	
15:40-16:00	J. Wojak	P. Nguyen	
16:00-16:20	J. Annevirta	J. Olkkonen	
		Dinner 19:00-	

## Day 1

- Andrea Farina — *Time-domain diffuse optical imaging in biomedical tissues*
- Teresa Correia — *AI-powered software for fast optical projection tomography*
- Caroline Chaux — *Solving inverse problems in image processing using unrolled algorithms*
- Felix Lucka — *Photoacoustic and ultrasound tomography for breast imaging*
- Nuutti Hyvonen — *Projections for handling uncertainties and enabling localization in diffuse optical tomography*
- Qianqian Fang — *How “vibe-coding” helps build a new-generation Monte Carlo simulator over a weekend*
- Jonna Kangasniemi — *Machine learning enhanced image reconstruction in optical tomography using Monte Carlo method for light transport*
- Alexander Bykov — *Advanced polarimetric tissue characterization across scales: from blocks to in vivo imaging*
- Konstantin Tamarov — *Time-domain and continuous-wave diffuse optical tomography setups at the OPUS laboratory*
- Martin Rodriguez-Vega — *Realistic simulated database for near-infrared fluorescence diffuse optical tomography*
- Julien Wojak — *Photoacoustic imaging for opto-mechanical characterization of the intervertebral disc*
- Jonne Annevirta — *Improving NIRS accuracy with kernel testing and photogrammetry*

## Day 2

- Otmar Scherzer — *Schlieren tomography*
- Hanna Renvall — *Simultaneously acquired magnetoencephalography and diffuse optical tomography data reveals correlated somatosensory activity*
- Pauliina Hirvi — *Modeling optical phenomena on the head surface with Monte Carlo simulations*
- Nicholas Ducros — *Freeform imaging from Hadamard matrices*
- Meghdoot Mozumder — *Ultrasound-modulated diffuse optical tomography in the Bayesian framework*
- Lucia Florescu — *Broken-ray tomography*
- Manabu Machida — *Inverse Rytov series for optical tomography*
- Ronny Ramlau — *Imaging through turbulent media*
- Jarjish Rahaman — *Utilising spatial and temporal modulation in time-domain diffuse optical tomography*
- Aada Hakula — *A bilinear inverse problem with forward operator inaccuracy applied to diffuse optical tomography*
- Pascal Nguyen — *Efficient data processing and model reduction for high-resolution NIR-II fluorescence diffuse optical tomography*
- Jaakko Olkkonen — *Monte Carlo simulation of time- and frequency-domain sensitivity profiles in optical tomography*

## Day 3

- John Schotland — *Inverse scattering with entangled photons*
- Peter Elbau — *Motion reconstruction from diffraction tomography data*
- Jan Nissinen — *A wearable CMOS transceiver for time-domain diffuse optics*
- Ilkka Nissilä — *Optical tomography - technology and applications in neuroimaging*