

ČSMS CONFERENCE "MICROSCOPY 2018"

LEDNICE NA MORAVĚ - PROGRAMME

Day 1 (14. 5. 2018)	
17:30-19:00	Registration
15:00-17:00	Meeting of the CSMS board
18:00-20:00	Welcome drink + refreshments
Day 2 (15. 5. 2018)	
08:30-09:00	Registration
09:00-09:10	Conference opening
09:10-09:45	CSMS award for merit in microscopy, laureate lecture - Jiří Očadlík "Discovering an electron microscope"
09:45-09:50	Announcement of the winner of the 2017 scholarship competition by Thermo Fisher / CSMS – Radim Skoupý
09:50-09:55	Announcement of the winner of the 2017 scholarship competition by CSMS – Petr Flachs
09:55-10:00	Announcement of the winner of the best PhD. dissertation competition 2017 – Daniel Hadraba
10:00-11:00	Plenary lecture - Lukáš Palatinus "Analysis of crystal structures from single nanocrystals"
11:00-11:30	Coffee break
11:30-12:30	I. Session - Company presentations (part one) <i>session chair: Pavel Hozák</i>
11:30-11:45	ANDOR – Alexander Pospesch "Dragonfly - From Confocal Imaging of Thick Specimens to Live Cell Superresolution"
11:45-12:00	BRUKER – Alexander Dulebo "Spectroscopy Based Mapping of Electrical Properties Using Fast Force Volume Atomic Force Microscopy"
12:00-12:15	CARL ZEISS – Pavel Krist "Airyscan - further improvements in the most sensitive fast superresolution confocal imaging technique"
12:15-12:30	HPST – Michaela Pluskalová "Tomographic-Holographic Microscopy to look instantly inside living cells in 3D from Nanolive"
12:30-14:00	Lunch
14:00-15:45	I. Session - Company presentations (part two) <i>session chair: Dušan Chorvát</i>
14:00-14:15	JEOL – Guillaume Brunetti "New JEOL TEM developments for cryo biology"
14:15-14:30	KRD – Jiří Vašák "From Cell Counting to Tissue Imaging: Tools and Tech by Logos Biosystems"

14:30-14:45	SPECION / LEICA – Andreas Nowak “Fully automatic ultramicrotome for array tomography applications”
14:45-15:00	MTM – Jaroslav Lukeš “In-situ nanomechanical testing in SEM/TEM microscopes” – Jan Hubert “Introduction - news in MTM portfolio”
15:00-15:15	OLYMPUS – Tomáš Pop “Super Resolution and Spinning Disk Confocal Microscope”
15:15-15:30	TESCAN – Kristýna Rosíková “Investigating cancer cell behavior using correlative imaging by holographic microscopy and fib-sem tomography”
15:30-15:45	THERMO FISHER – Jakub Kuba “Aquilos - First FIB/SEM for Cryo-Lamella Preparation in Structural Biology”
15:45-16:15	Coffee break
16:15-17:15	II. Session – Instrumentation <i>session chair: Vladislav Krzyžánek</i>
16:15-16:45	- Tomáš Čížmár “ Harnessing multimode propagation for deep-tissue imaging ” (invited speaker)
16:45-17:00	- Radim Skoupý “Correlative imaging using CL and STEM detector in a SEM” (Winner of the 2017 scholarship competition by Thermo Fisher / CSMS)
17:00-17:15	- Adam Schröfel “Cryo-electron tomography and sub-tomogram averaging: quasi-native protein structures”
18:45-20:00	Wine degustation
20:00-23:00	Social evening with banquet
Day 3 (16. 5. 2018)	
09:00-10:15	III. Session - Material sciences <i>session chair: Miroslav Šlouf</i>
09:00-09:30	Jaroslav Lukeš “ Instrumented Nanoindentation Becomes Microscopy Imaging Technique ” (invited speaker)
09:30-09:45	- Miroslav Šlouf “ Relations among microscopy, morphology and micromechanical properties of polymers”
09:45-10:00	- Michal Horák “Comparative study of plasmonic antennas: EBL vs. FIB fabrication!”

10:00-10:15	- Mariana Klementová "Titanyl Sulfate - template for preparation of 1D titania structures"
10:15-11:45	Poster session + coffee break
11:45-13:00	IV. Session - Biomedical sciences <i>session chair: Jana Nebesářová</i>
11:45-12:15	Michal Martinka "Silicon inhibits fungal pathogen invasion into the host organism" (invited speaker)
12:15-12:30	- Petr Flachs "In vivo microscopy of chromosomal pairing and synapsis in mouse meiotic spermatocytes" (Winner of the 2017 scholarship competition by CSMS)
12:30-12:45	- Jindřiška Fišerová "Nuclear pore protein TPR interacts with lamin B1, affects lamina organization and nuclear pore distribution"
12:45-13:00	- Daniel Zicha "System for personalised cancer treatment "DANTE" (Dynamic Analysis for Neoplasia Treatment with Explants) using quantitative phase imaging"
	Conclusion
13:00-14:00	Lunch
14:00-15:00	Member meeting of CSMS society

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