

5. Slovensko posvetovanje mikroskopistov / 5th Slovene Microscopy Symposium

Programme

	Četrtek / Thursday (16. 5. 2024)
8:30-9:15	Registracija / Registration with coffee
9:15-9:30	Uvodni pozdrav / Welcome address: Kristina Žagar Soderžnik (predsednica Slovenskega društva za mikroskopijo / President of Slovene Society for Microscopy)
	Vodji sekcij / Chairs: Barbara Šetina Batič, Aleksandar Janev
9:30-10:00	Vabljen predavatelj / Invited lecture: Jakob Kraner SEM-EBSD analize in GAM kriterij za določevanje anizotropije pri aluminijevih valjanih proizvodih <i>Impol d.o.o., Slovenska Bistrica, Slovenia</i>
10:00-10:15	Predstavitve srebrnega sponzorja / Silver sponsor presentation (SCAN d.o.o. - JEOL)
10:15-10:45	Vabljen predavatelj / Invited lecture: Nataša Resnik Urothelial cell communication in health and disease <i>Institute of Cell Biology, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia</i>
10:45-11:15	Odmor za kavo / Coffee break
	Vodji sekcij / Chairs: Gregor Kapun, Nada Žnidaršič
11:15-12:00	Plenarno predavanje / Plenary lecture: Marko Kreft Meritve energijske presnove astrocitov z gensko kodiranimi nanosenzorji FRET <i>University of Ljubljana, Ljubljana, Slovenia</i>
	Izbrane predstavitve / Selected talks
12:00-12:15	Marion van Midden Mavrič Nadgradnja vrstičnega tunelskega mikroskopa z mikroskopom na atomsko silo z uporabo q-Plus senzorja <i>Jožef Stefan Institute, Ljubljana, Slovenia</i>
12:15-12:30	Samo Hudoklin Fixation of biological samples for electron microscopy by high-pressure freezing <i>Institute of Cell Biology, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia</i>
12:30-13:00	Predstavitve zlatega sponzorja / Gold sponsor presentation (ITR-LAB - ThermoFisher Scientific)
13:00-14:30	Kosilo / Lunch break

	Vodji sekcij / Chairs: Elena Tchernychova, Samo Hudoklin
14:30-15:00	Vabljeno predavanje / Invited lecture: Sorour Semsari Parapari Liquid-cell Transmission Electron Microscopy to Understand Electrochemical Processes <i>Jožef Stefan Institute, Ljubljana, Slovenia</i>
	Izbrane predstavitve / Selected talks
15:00-15:15	Luka Gruškovnjak Prehistoric smithy floor under the microscope <i>Faculty of Arts, University of Ljubljana, Ljubljana, Slovenia</i>
15:15-15:30	Nika Kojc Workflow in pathology from sample to diagnosis <i>Institute of Pathology, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia</i>
15:30-15:45	Črtomir Donik Enhancing EBSD with Spherical Indexing: A Leap Forward in Material Characterization <i>Inštitut za kovinske materiale in tehnologije, Ljubljana, Slovenia</i>
15:45-16:15	Vabljeno predavanje / Invited lecture: Jožica Gričar Vpliv podnebnih sprememb na rast dreves in strukturo prevodnih tkiv <i>Gozdarski inštitut Slovenije, Ljubljana, Slovenia</i>
16:15-16:30	Predstavitev srebrnega sponzorja / Silver sponsor presentation (Astrafokus d.o.o.)
16:30-16:45	Predstavitev srebrnega sponzorja / Silver sponsor presentation (Carl Zeiss d.o.o.)
16:45-18:30	Sekcija posterjev / Poster session with coffee
18:30-20:00	Večerja / Dinner
21:00 -	Networking and Best Microscopy Image Award announcement (Stara koča and terrace)

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	Petek / Friday (17. 5. 2024)
8:30-9:00	Registracija / Registration
	Vodji sekcij / Chairs: Nina Daneu, Rok Kostanjšek
9:00-9:30	Vabljeni predavanja / Invited lecture: Boštjan Vihar 3D rentgenska mikroskopija v biomedicinski znanosti <i>Faculty of Medicine, University of Maribor, Maribor, Slovenia</i>
	Izbrane predstavitve / Selected talks
9:30-9:45	Lidija Korat Advanced analysis techniques for tomographic datasets <i>Slovenian Building and Civil Engineering Institute, Ljubljana, Slovenia</i>
9:45-10:00	Nada Žnidaršič Epitel prebavnega trakta žuželk kot bariera – funkcijska ultrastruktura z vidika razvoja novih strategij za zaščito poljščin <i>Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia</i>
10:00-10:15	Goran Dražič Measuring the charge density distribution in single-atom-on-substrate catalysts: Are we already there? <i>National Institute of Chemistry, Ljubljana, Slovenia</i>
10:15-10:30	Giulia Pia Servetto Localization of non-functionalized magnetite nanoparticles in zebrafish larvae using wide-field and confocal fluorescence microscopy, and an innovative natural superficial compound nano-suit; method for SEM investigations <i>University of Torino, Torino, Italy</i>
10:30-11:15	Sekcija posterjev / Poster session with coffee
	Vodji sekcij / Chairs: Sašo Šturm, Polona Mrak
11:15-12:00	Plenarno predavanje / Plenary lecture: Andreja Benčan Golob In Situ STEM Investigation of Perovskite Ferroelectrics: Structural Defect Dynamics down to the Atomic Level <i>Jožef Stefan Institute, Ljubljana, Slovenia</i>

	Izbrane predstavitve / Selected talks
12:00-12:15	Blaž Režonja Mikro-PIXE analiza prehransko pomembnih semen dvokaličnic razkriva tkivno specifne elementne profile <i>Biotechnical Faculty, Univeristy of Ljubljana, Ljubljana, Slovenia</i>
12:15-12:30	Grega Klančnik Failure-Analysis – fatigue fractures of thin strips Pro Labor d.o.o., Žalec, Slovenia
12:30-12:45	Predstavitev srebrnega sponzorja / Silver sponsor presentation (MikroLux - Tescan)
12:45-13:00	Predstavitev srebrnega sponzorja / Silver sponsor presentation (Optik Instruments d.o.o.)
13:00-14:00	Kosilo / Lunch break
	Vodji sekcij / Chairs: Miran Čeh, Andreja Erman
14:00-14:30	Vabljen predavatelj / Invited lecture: Maja Čemažar Gensko zdravljenje raka z uporabo elektroporacije: imunsko genska terapija z interleukinom-12 <i>Onkološki inštitut, Ljubljana, Slovenia</i>
14:30-14:45	Iztok Dogša Understanding <i>Bacillus subtilis</i> Pellicle Formation from a Holistic Perspective <i>Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia</i>
14:45-15:15	Vabljen predavatelj / Invited lecture: Blaž Belec From electrons to emission: Exploring Cathodoluminescence for Advance Material Characterization <i>Materials Research Laboratory, University of Nova Gorica, Nova Gorica, Slovenia</i>
	Izbrane predstavitve / Selected talks
15:15-15:30	Vinko Sršan Applying Deep Learning to Correct Drift in Atomic Resolution High-Angle Annular Dark field STEM <i>Jožef Stefan Institute, Ljubljana, Slovenia</i>
15:30-15:45	Damjana Drobne Application of plasma Focused Ion Beam Scanning Electron Microscopy (PFIB/SEM) for morphological investigation of breast tumor <i>Biotechnical Faculty, Univeristy of Ljubljana, Ljubljana, Slovenia, Ljubljana, Slovenia</i>
15:45-16:00	Zaključek / Closing remarks and Best Poster Award announcement