

SCHEDULE 11月, 16-18日, 2021年(日本) November 15 - 17, 2021 (Canada)

Canada Edmonton UTC (-7hr)	Canada Eastern time UTC (-5 hr)	November 15, 2021 (Monday in Edmonton) 16, 火曜日 東京	November 16, 2021 (Tuesday in Edmonton) 17, 水曜日 東京	November 17, 2021 (Wednesday in Edmonton) 18, 木曜日 東京	東京 (Tokyo) UTC (+9 hr)
		Chair: Alan Maigné, Ken Harada	Chair: Shigeo Mori, Misa Hayashida	Chair: Alan Maigné, Shigeo Mori, Ken Harada	
3:50 – 4:00 pm	5:50 – 6:00 pm	Welcome & logistics Ken Harada & Marek Malac	Welcome	Welcome	7:50 – 8:00 am
4:00 – 4:20 pm	6:00 – 6:20 pm	Plenary Session Ray Egerton What Determines the Spatial Resolution in Microscopy?	Arthur Blackburn Application of 4D-STEM at 30 kV for structure analysis of block co-polymers and high-resolution multi-slice phase retrieval	Plenary Session Maureen Lagos	8:00 – 8:20 am
4:00 – 4:20 pm	6:00 – 6:40 pm	<u>Zoom photo of participants (3 minutes)</u>	Koji Harano Visual Molecular Science at Interface of Self-Assembly and Electron Microscopy	Phonon spectroscopy and Imaging at the Nanoscale	8:20 – 8:40 am
4:40 – 5:00 pm	6:40 – 7:00 pm	Special Session Sumio Iijima	Plenary Session Yuichi Ikuhara	Jun Yamasaki TEM/STEM Intensity Modulation with Increasing Thickness Induced by Electron Multiple Scattering Phenomena in Materials	8:40 – 9:00 am
5:00 – 5:20 pm	7:00 – 7:20 pm	Atomic resolution STEM-EDS imaging of cations ordering of Ti-Nb and Nb-W ternary oxides for LIBs anodes	Atomic-Scale Dynamic Observations of Interface, Surface and Grain Boundary Phenomena	Marek Malac NanoMi: a Public-License Platform for Electron Microscopy Development and Education	9:00 – 9:20 am
5:20 – 5:40 pm	7:20 – 7:40 pm	Raynald Gauvin EDS and EELS of Lithium Materials from 0.5 to 30 keV	Roghayeh Nikbakhht Contribution of microstructure in oblique impact morphology of high entropy CrMnCoFeNi particles	Junji Yamanaka STEM-Moiré Applications to Crystalline Specimens without using High-End Microscopes	9:20 – 9:40 am
5:40 – 6:00 pm	7:40 – 8:00 pm	Nadi Braidy Progress on Multivariate Statistics to Improve Spectrum Image Interpretation	Yoshifumi Oshima Atomic bond stiffness in Pt atomic chains measured by TEM coupled with a quartz LER	Alan Maigné Development of Electron Microscopy toward Analysis of Optical and Quantum Effects in Nanomaterials.	9:40 – 10:00 am
6:00 – 6:20 pm	8:00 – 8:20 pm	Kohei Aso Data-Driven Electron Microscopy Reveals Shape-Dependent Subpercent Strains in Gold Nanorods	Xuan Quy Tran Thermal Evolution of Alloying State in Ternary IrPdRu Nanoparticles	Hiroshi Okamoto TEM at Millikelvin Temperatures: What Would It Be Useful for?	10:00 – 10:20 am
6:20 – 6:40 pm	8:20 – 8:40 pm	Anitha Jose Mapping electrostatic potential gradient in GaN NW p-n junctions using electron holography.	Alyssa Williams Utilization of Correlative Light and Electron Microscopy for Analyzing the Structural Organization of Bacterial Microcrystalline Cellulose.	Misa Hayashida Higher-order structure of barley chromosomes observed by Electron Tomography	10:20 – 10:40 am
6:40 – 7:00 pm	8:40 – 9:00 pm	Takayuki Nakamuro Capturing the moment of nucleation and tracing the crystal growth by SMART-EM	Mohammadparsa Khakpour Manual versus automatic analysis of microglial spatial characteristics: a comparison in the hippocampus of healthy adult mice	Tomokazu Yamamoto In-situ STEM observation of Ni catalyst during dry methane reforming	10:40 – 11:00 am
7:00 – 7:20 pm	9:00 – 9:20 pm	Rodney Herring Phase Imaging Electron Intensities on the Diffraction Plane	Ben Cardoen Belief theory enables detection of Caveolae in superresolution microscopy.	Hesham El-Sherif STEM and EELS of Spontaneous Incommensurate van der Waals Heteroepitaxy	11:00 – 11:20 am
7:20 – 7:25 pm	9:20 – 9:25 pm			Closing remarks Ken Harada, Misa Hayashida	11:20 – 11:25 am