

Fifth Japan-Canada Microscopy Societies Joint Symposium 2024

第5回 日本-カナダ顕微鏡学会交流シンポジウム 2024

“Extending limits of electron beam analysis in nanoscience”

『ナノサイエンスのための電子顕微鏡による解析限界への挑戦』

Session 1 June 4, 2024 9:30 – 11:40 am Tokyo time

International Conference Hall, Makuhari Messe, Chiba, Chiba, Japan

<https://us02web.zoom.us/j/88007403645?pwd=Mnh2YzZKNk2NSd3ZOT3hpQ215>

SDR0UT09 Zoom Meeting ID: **880 0740 3645** Passcode: **398969**

Session 2 June 4, 2024 15:00 – 18:00 pm Ottawa time

Richcraft Hall, Carleton University, Ottawa, Ontario, Canada

Zoom Meeting ID: **829 2537 3231** Passcode: **866652**

【Timetable】

Fifth Japan-Canada Microscopy Societies Joint Symposium 2024

	Time (Tokyo)	Speakers	Time (Ottawa)
Session 1	June 4, Tuesday	Makuhari Messe, Tokyo	June 3, Monday
	9:00 ~ 9:30	Connecting	20:00 ~ 20:30
	9:30 ~ 9:35	Opening address: Prof. S. Okabe, President of JSM	20:30 ~ 20:35
	9:35 ~ 10:00	C-1: R. Phengchat (NRC-NANO)	20:35 ~ 21:00
	10:00 ~ 10:25	J-1: S. Narai (Sumitomo Pharma Co, Ltd.)	21:00 ~ 21:25
	10:25 ~ 10:50	J-2: T. Higuchi (Akita Prefectural University)	21:25 ~ 21:50
	10:50 ~ 11:15	C-2: M. T. Schreiber (NRC-NANO)	21:50 ~ 22:15
	11:15 ~ 11:40	J-3: H. Saito (Kyushu University)	22:15 ~ 22:40
	11:40 ~ 12:00		
	12:00 ~ 13:00	JSM Annual General Meeting	
Session 2	June 5, Wednesday	Carleton University, Ottawa	June 4, Tuesday
	3:30 ~ 4:00	Connecting	14:30 ~ 15:00
	4:00 ~ 4:25	J-4: A. Noga (Chuo University)	15:00 ~ 15:25
	4:25 ~ 4:50	J-5: S. Kanomi (Tohoku University)	15:25 ~ 15:50
	4:50 ~ 5:15	J-6: E. Kano (Nagoya University)	15:50 ~ 16:15
	5:15 ~ 5:40	C-3: K. L. Kavanagh (Simon Fraser University)	16:15 ~ 16:40
	5:40 ~ 6:05	J-7: H. Tamaki (Nagoya University)	16:40 ~ 17:05
	6:05 ~ 6:30	C-4: K. Beyerlein (INRS)	17:05 ~ 17:30
	6:30 ~ 6:55	C-5: G. Sciaini, (University of Waterloo)	17:30 ~ 17:55
6:55 ~ 7:00	Closing address: Prof. N. Braidy, President of MSC	17:55 ~ 18:00	
			18:00 ~ 19:30
		MSC Mixer	19:30 ~ 22:00

【Scientific Program】

Session 1 (Tokyo time: Tuesday, June 4, 2024)

Web connecting 09:00 – 09:30

Opening address 09:30 – 09:35

Prof. Shigeo Okabe (President of JSM)

C-1 09:35 – 10:00

Rinyaporn Phengchat (NRC-NANO)

Visualization of surface structures and protein localization in plant chromosomes

J-1 10:00 – 10:25

Shun Narai (Sumitomo Pharma Co, Ltd.)

Understanding Crystal Surface Molecular Arrangement: Integration of Optical/Scanning Electron Microscopy and 3D ED/MicroED

J-2 10:25 – 10:50

Takumi Higuchi (Akita Prefectural University)

Small-angle beam deflection measurement towards quantum-enhanced electron microscopy

C-2 10:50 – 11:15

Makoto Tokoro Schreiber (NRC-NANO)

The NanoMi open-source electron microscopy platform: progress and hardware implementations

J-3 11:15 – 11:40

Hikaru Saito (Kyushu University)

Momentum-Resolved Cathodoluminescence of a Plasmonic Crystal Containing a Phosphor Thin Film

Session 2 (Ottawa time: Tuesday, June 4, 2024)

Web connecting 14:30 – 15:00

J-4 15:00 – 15:25

Akira Noga (Chuo University)

Cryo-electron tomography reveals novel Bld10p/Cep135 filamentous structures contributing to the nine-fold symmetry of centriole

J-5 15:25 – 15:50

Shusuke Kanomi (Tohoku University)

Hierarchical Structures of Semicrystalline Polymers Revealed by Nanodiffraction Imaging Based on Four-dimensional Scanning Transmission Electron Microscopy

J-6 15:50 – 16:15

Emi Kano (Nagoya University)

Atomic resolution analysis of extended defects and their evolution during annealing in Mg ion-implanted GaN

C-3 16:15 – 16:40

Karen L. Kavanagh (Simon Fraser University)

Semiconductor Nanowire Junction Potential Maps

J-7 16:40 – 17:05

Hirokazu Tamaki (Nagoya University)

Wavefield reconstruction using full-field illumination ptychography with a structured electron beam

C-4 17:05 – 17:30

Kenneth Beyerlein (Institut national de la recherche scientifique (INRS))

Streak Imaging in a Dynamic Transmission Electron Microscope

C-5 17:30 – 17:55

German Sciaini, (University of Waterloo)

The Ultrafast Electron Imaging Lab: Where Electrons, Light, Nanofluidics, and People Meet

Closing address 17:55 – 18:00

Prof. Nadi Braidy (President of MSC)

【Societies】

Japanese Society of Microscopy (JSM)

<https://microscopy.or.jp/>

Microscopy Society of Canada (MSC)

<https://msc-smc.org/>

【Venues】

Session 1

International Conference Hall, Makuhari Messe.

2-1, Nakase, Mihama-ku, Chiba-city, 261-8550 Japan

https://www.m-messe.co.jp/organizers/guide/conferencehall/guide_conference

Session 2

Richcraft Hall, Carleton University

9376, University Drive, Ottawa, ON K1S 5B6, Canada

<https://carleton.ca/campus/buildings/richcraft-hall/>

【Organizers】

Ken Harada (RIKEN) (原田研, 理化学研究所)

Marek Malac (NRC-NANO and University of Alberta)

Shigeo Mori (Osaka Metropolitan University) (森茂生, 大阪公立大学)

Misa Hayashida (NRC-NANO) (林田美咲, NRC-NANO)

【Technical Assistants】

Keiko Shimada (RIKEN) (嶋田恵子, 理化学研究所)

Haruka Sanada (Osaka Metropolitan University) (眞田春佳, 大阪公立大学)

【Contact】

Office e-mail: gr-eng-JapanCanadaSeminar@omu.ac.jp

Official home page: <https://www.omu.ac.jp/eng/japan-canada-microscopy-seminar/>

This seminar is partially supported by JSPS Bilateral Program, Grant number [JP JSBP 220249906].

Financial support was provided by Soquelec Ltd. / JEOL Canada, Hitachi High-Tech Canada, and by MSC in Canada and by JSM in Japan.