



ÉCOLE DE
TECHNOLOGIE
SUPÉRIEURE
Université du Québec

RQMÉM

Réseau Québécois de microscopie électronique des matériaux

1220, rue Notre-Dame Ouest,
Montréal, QC H3C 1K5, local E-2033

SYMPOSIUM DE MICROSCOPIE ÉLECTRONIQUE DU RQMÉM

Matériaux et métallurgie

19 octobre 2026 - École de Technologie Supérieure

Commandité par :



CIQTEK

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instruments

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Anton Paar

Rigaku

Extension pour les affiches
jusqu'au 5 octobre 2026

Appel aux soumissions
jusqu'au ~~15 septembre 2026~~

Inscriptions jusqu'au 16
octobre 2026

Ateliers du symposium de microscopie électronique du RQMÉM

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Matériaux et métallurgie
19 octobre 2026
École de Technologie Supérieure
Pavillon E

8h30-9h	Accueil et inscription dans l'Atrium du Salon Vidéotron		
	Salon Vidéotron - Local E-2033	Local E-4026	Atrium du Salon Vidéotron, 2e étage
9h-9h15	Mot de bienvenu par Anton Paar		Apportez votre propre échantillon - Visitez la table de Keyence pour tester leurs équipements : VHX-X1 : digital microscope covering 5X-6'000X and fully automated with 3D measurement and imaging capabilities VK-X4000 : Profiling microscope able to go sub nanometer height level. Including the following profiling techniques : - confocal laser scanning - Interferometry - Focus variation Visitez les exposants et les posters dans l'Atrium
9h15-9h45	Atelier Anton Paar 1: X-Ray diffraction (XRD)	Atelier Hitachi : Automation in scanning electron microscopy (SEM) highlighting how modern automation tools can improve efficiency, streamline workflows, and enhance analytical capabilities	
9h45-10h15	Atelier Anton Paar 2: Particle size and shape characterization using dynamic image analysis (DIA)		
10h15-10h45	Pause café dans l'Atrium du Salon Vidéotron		
10h45-11h30	Atelier Anton Paar 3: Mechanical surface characterization, including indentation and scratch testing	Atelier Soquelec : Unlocking 3D Microstructure : Non-Destructive Micro-CT Imaging for Advanced Materials	
11h30-13h	Lunch dans l'Atrium du Salon Vidéotron		
13h-17h	Présentations en microscopie - voir l'horaire de l'après-midi	Pavillon A, Local A-2100	Visitez les exposants et les posters
		Démonstration des équipements avec Anton Paar <i>*Inscription obligatoire</i>	
17h-19h	Cocktail de réseautage et visite des posters dans l'Atrium du Salon Vidéotron		

Présentations en microscopie

Local E-2033

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Matériaux et métallurgie

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Salon Vidéotron (local E-2033)

11h30 -13h	Lunch
13h-13h05	Mot d'ouverture
13h05-13h35	Interfacial characterization of Plate-like γ' Precipitates in AD730™ Ni-based Superalloy: From Solution Heat Treatment to Linear Friction Welding - Parisa Darvishmotevally, ÉTS
13h35-14h05	MicroED: a new EM tool to help understand crystals at the nanoscale - Angel Valdez, McGill
14h05-14h35	Production de données scientifiques fiables en nanomédecine par cryo-MET et procédures avancées analyse d'images - Marc-André Fortin, Université Laval
14h35-15h	Pause café et session de poster
15h-15h30	Analysis of bone mineral crystallites using 4DSTEM - Natalie Reznivok, McGill
15h30-16h	Présentations Flash : Séparation aveugle de sources multimodales - Frédéric Voisard, Université de Sherbrooke; Les Plateformes de Recherche Partagées de l'ÉTS (PRP) - Mohammad Saadati, ÉTS Low Voltage Electron Microscopy for Materials Science - Jared Lapkovsky, Delong America
16h-16h30	Electron Tomography (ET): Imaging 3D Nanostructure and Chemistry at Sub-nanometer Scale - Wanting He, McGill
16h30-17h	Low Voltage Electron Microscopy in Metallurgy - Raynald Gauvin, McGill
17h-19h	Session de poster et cocktail

Présentations par affiche Atrium du Salon Vidéotron

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Salon Vidéotron (local E-2033)

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#1	Quantitative Strain and GND Mapping in Martensitic Steels by High-Resolution EBSD, Javiera Fernández Rocha
#2	A Neural Network-Based Monte Carlo X-ray (MC X-ray) Approach for Quantitative Analysis of Homogeneous Multi-Element Bulk Samples at 20 kV, Dawei Gao
#3	Dynamic transmission electron microscope, Patrick Soucy
#4	EBSD Studies for Phase Transformation in Austenitic Stainless Steel After Water Droplet Impingements, Lama Mahmoud
#5	Preparation and characterization of crystalline C90-D5h and C100-D5d Fullertubes, Liguó Chen
#6	From Crystal Orientation to Plastic Flow: Indentation Deformation in Non-Oriented Electrical Steels, Oluwasogo Adegboyega
#7	Microstructure-Mechanical Property Relationships in Cold-Sprayed Titanium Deposits Investigated by SEM and ECCI, Yu Gao
#8	Systematic Intermetallic Quantification in Al 6061 with Electron Microscopy: An Automated Approach, Yínuo Li
#9	Scratch Resistance of Printed Copper Samples as a Function of Sintering Temperature, Mohamad Hassan Taherian
#10	Characterization and mechanical testing of bilayer and multilayered metallic structures, Meizhen Jin



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Montréal, QC H3C 1K5, Room E-2033

RQMÉM ELECTRON MICROSCOPY SYMPOSIUM

Materials and Metallurgy

October 19, 2026 - École de Technologie Supérieure

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Anton Paar

Rigaku

**Extended for posters until
October 5, 2026**

Call for abstracts until
~~September 15, 2026~~

Registrations until
October 16, 2026

Workshops at the RQMÉM electron microscopy symposium

Materials and Metallurgy
October 19, 2026
École de Technologie Supérieure
Building E

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8:30-9AM	Welcome and registration at the Videotron Salon		
	Videotron Salon - Room E-2033	Room E-4026	Atrium of Videotron Salon 2nd floor
9AM-9:15	Opening words by Anton Paar		Bring your own sample - visit Keyence's table to test their equipment : VHX-X1 : digital microscope covering 5X-6'000X and fully automated with 3D measurement and imaging capabilities VK-X4000 : Profiling microscope able to go sub nanometer height level. Including the following profiling techniques : - confocal laser scanning - Interferometry - Focus variation Visit the exhibitors and posters in the Atrium
9:15-9:45	Workshop Anton Paar 1: X-Ray diffraction (XRD)	Workshop Hitachi : Automation in scanning electron microscopy (SEM) highlighting how modern automation tools can improve efficiency, streamline workflows, and enhance analytical capabilities	
9:45-10:15	Workshop Anton Paar 2: Particle size and shape characterization using dynamic image analysis (DIA)		
10:15-10:45	Coffee break in the Atrium		
10:45-11:30	Workshop Anton Paar 3: Mechanical surface characterization, including indentation and scratch testing	Workshop Soquelec : Unlocking 3D Microstructure : Non-Destructive Micro-CT Imaging for Advanced Materials	
11:30-1PM	Lunch in the Atrium		
1PM-5PM	Presentations in microscopy - see the afternnon schedule	Building A, Room A-2100	Visit the exhibitors and posters in the Atrium
		Equipment Demos with Anton Paar <u>*Mandatory Registration</u>	
5PM-7PM	Networking Cocktail and poster session in the Atrium		

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Microscopy presentations

Room E-2033

Materials and Metallurgy

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École de Technologie Supérieure
Room E-2033

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11h30 -1PM	Lunch
1PM-1:05	Opening words
1:05-1:35	Interfacial characterization of Plate-like γ' Precipitates in AD730™ Ni-based Superalloy: From Solution Heat Treatment to Linear Friction Welding - Darvishmotevally Parisa, ÉTS
1:35-2:05	MicroED: a new EM tool to help understand crystals at the nanoscale - Angel Valdez, McGill
2:05-2:35	Production de données scientifiques fiables en nanomédecine par cryo-MET et procédures avancées analyse d'images - Marc-André Fortin, Université Laval
2:35-3PM	Coffee break and poster session
3PM-3:30	Analysis of bone mineral crystallites using 4DSTEM - Natalie Reznivok, McGill
3:30-4PM	Présentations Flash : Séparation aveugle de sources multimodales - Frédéric Voisard, Université de Sherbrooke; les Plateformes de Recherche Partagées de l'ÉTS (PRP) - Mohammad Saadati, ÉTS Low Voltage Electron Microscopy for Materials Science - Jared Lapkovsky, Delong America
4PM-4:30	Electron Tomography (ET): Imaging 3D Nanostructure and Chemistry at Sub-nanometer Scale - Wanting He, McGill
4:30-5PM	Low Voltage Electron Microscopy in Metallurgy - Raynald Gauvin, McGill
5PM-7PM	Poster session and cocktail

Poster session Atrium

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