



FCSE-2020

Call for papers

www.fcse-montreal.ca



9th Symposium on

FUNCTIONAL COATINGS AND SURFACE ENGINEERING

Organized by

RQMP - Regroupement québécois sur les matériaux de pointe and

the St. Lawrence Chapter of the **AVS** Science and Technology of Materials, Interfaces and Processing,

in collaboration with **SVC** - Society of Vacuum Coaters and with the **Green SEAM** - the NSERC Strategic Network on Green Surface Engineering for Advanced Manufacturing, and hosted by **Polytechnique Montréal** and **Université de Montréal**

SYMPOSIUM TOPICS

- Thin films with tailored optical, mechanical, tribological, electrical, thermal and other functional properties
- Smart coating materials and film systems
- Vacuum and non-vacuum deposition processes, process control and diagnostics
- Plasma processes and plasma-surface interactions
- Thin film systems for passive and active optical filters and waveguides
- Modeling and predictive tools for processes and coating system performance
- Protective tribological coatings with enhanced wear, scratch, abrasion, erosion and corrosion resistance, hydro- and icephobicity and other functionalities
- Characterization methods: microstructure and functional properties
- Thin film materials and systems for optical, optoelectronic, aerospace, outer-space, energy-control, biomedical, micro-system, sensor, energy and other applications
- Surface and interface engineering approaches for the control of adhesion, stress and environmental stability

**MONTREAL
QUEBEC
CANADA**

**JUNE 15-18
2020**

PROGRAM AND SCHEDULE

Short courses (full day) – Monday, June 15, 2020

G. Abadias: *"Understanding and control of stress in thin films"*

A. Anders: *"Plasma processing of materials"*

M. Lequime: *"Optical properties of metamaterials and metasurfaces"*

Symposium technical program – Tuesday, June 16, and Wednesday, June 17, 2020

Invited lectures and contributed oral presentations - Poster presentations - Awards for the best posters -

Table-top exhibit by manufacturers and vendors - Visit of research facilities - Symposium reception and social networking event

Hands-on workshops (full day) – Thursday, June 18, 2020

"Mechanical and tribological testing"

"Optical characterization and reverse engineering - Spectroscopic ellipsometry"

"Microstructural and compositional analyses"

**Extended abstract submission
deadline - February 29, 2020**

**POLYTECHNIQUE
MONTRÉAL**
TECHNOLOGICAL
UNIVERSITY



ORGANIZERS OF THE FCSE-2020 SYMPOSIUM

MEETING CHAIRS | Ludvik Martinu and Jolanta E. Klemberg-Sapieha
Department of Engineering Physics, Polytechnique Montréal

**MEMBERS OF THE LOCAL
ORGANIZING COMMITTEE** | B. Baloukas, E. Bousser, S. Brown, A. Miletic, J. Sanchez, T. Schmitt
K. Tsoutas, O. Zabeida

RQMP CHAIRS | D. Danovitch, P. Grütter, M. Hilke, L. Martinu, F. Schiettekatte, L. Taillefer (www.rqmp.ca)

**Université
de Montréal**
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