

July 29-31, 2020

Montreal, Quebec, Canada

20th IEEE International Conference on Nanotechnology

SPONSORSHIP AND EXHIBITION

OVERVIEW

IEEE is the world's largest technical professional organization dedicated to developing technology for the benefit of humanity. IEEE and its members inspire a global community to innovate for a better tomorrow through its more than 420,000 members in over 160 countries. IEEE is a trusted "voice" for engineering, computing, and technology information around the globe. As the world's largest technical professional organization, IEEE offers several ways to get involved with technical and local communities. These communities are active participants in research and authorship, conferences, and important conversations about today's most relevant technical topics locally and globally.

As part of the IEEE Nanotechnology Council, we are organizing and hosting the 20th IEEE International Conference on Nanotechnology in Montreal, from July 29th to July 31th. NANO 2020 is the flagship IEEE conference on Nanotechnology, which has been a successful annual conference since 2001. During the Nano 2020 we are celebrating the 20th anniversary!

The conference scope spans both nanoscience and nanotechnology, including :

- Developing new nanomaterials or manipulating matter at the nanometre length scale.
- Studying the fundamental physical, chemical or biological properties of these nanomaterials and nanostructures.
- Manipulating and optimizing nanomaterials and nanostructures to create optoelectronics, biomedical, photonic, bioelectronic, energy devices.



MISSION OF NANO 2020

We expect about 500 attendees that will have the chance to learn from well-established researchers including a Nobel laureate. The Nano 2020 is a perfect opportunity for students with common interests to meet and discuss scientific topics. Three major networking events are scheduled where students, speakers and companies will be invited : the Exhibition, the Technical Poster Session and the Young Professionals evening.

These events will promote new collaborations for future scientific projects and will serve as an icebreaker for students looking for supervisors or a work experience. In 2020, we will celebrate the 20th anniversary of the conference in presence of five previous NANO chairs and five previous presidents of the IEEE NTC. This may attract even more attention to the 2020 NANO version.

This type of event offer the opportunity to the Canadian scientific community to shine due to the prestige of the IEEE organisation.

ORGANISERS



Clara Santato is Full Professor in the Department of Engineering Physics at Polytechnique Montréal where she leads the Advanced Electroactive Materials Laboratory.



Fabio Cicoira is Associate Professor in the Department of Chemical Engineering at Polytechnique Montréal where he leads the Laboratory of Organic Iontronics.



Federico Rosei is Full Professor at INRS-EMT and UNESCO Chair in Materials and Technologies for Energy Conversion, Saving and Storage (MA-TECSS).

Confirmed Plenary Speakers

We are happy to count among our plenary speakers of high caliber :



John Charles Polanyi was born in 1929. He received a Nobel Prize in chemistry in 1986. Dr. Polanyi trained at Manchester University where he received his BSc and, in 1952, his PhD. From 1952 to 1954, he was a Postdoctoral Fellow at the National Research Council Canada Laboratories in Ottawa ; and from 1954 to 1956, he was a Research Associate at Princeton University. In 1956, Dr. Polanyi began teaching chemistry at the University of Toronto, where he is still an active faculty member. His research is on the molecular motions in chemical reactions in gases and at surfaces. In addition to a Nobel Prize, Polanyi has received numerous other awards, including

33 honorary degrees, the Wolf Prize in Chemistry and the Gerhard Herzberg Canada Gold Medal for Science and Engineering.



Luisa De Cola Full Professor (Class Exceptionnelle), AXA chair of Supra-molecular and Biomaterial Chemistry, at ISIS, University of Strasbourg and CNRS, France and adjunct Scientist at the Karlsruher Institut für Technologie, Germany.

De Cola's group is interested in the self assembly of molecules as well as nanoparticles in defined structure. The assemblies can be fibers, micelles, vesicles, gels and are dynamic reversible structures. Self-assembly can induce several properties such as change in the emission color, enhancement or turn on of the emission, different reactivity or even different functionality. Amongst the molecules selected platinum complexes and for the materials porous silica. Systems can be organized

using covalent and/or non covalent interactions or even using light (optical tweezers).



Shelley Minter is a Professor in the Departments of Chemistry and Materials Science Engineering at the University of Utah. She conducts externally-funded research, teaching at the undergraduate and graduate level. Minter takes a predictive approach to rationally designing anolytes and catholytes for redox flow batteries. She focuses on developing electroanalytical and spectroscopic assays for QSPR parameter determination. These assays are used with QSPR modeling to predict more stable electrolytes, electrolytes that minimize crossover, and more soluble electrolytes for non-aqueous redox flow batteries in collaboration with Matthew Sigman's group at the University of Utah and Melanie Sanford's group at the University of Michigan. Minter worked with Sanford's group and Brett Helm's group at Berkeley Lab to develop electroanalytical tools for

studying self exchange in oligomer electrolytes.



Yury Gogotsi Department of Materials Science and Engineering, Drexel University Gogotsi works on synthesis and surface modification of inorganic nanomaterials, such as nanodiamond, carbide-derived carbons, nanotubes, and two-dimensional carbides and nitrides (MXenes). His group also explores energy related and other applications of materials discovered and developed in Gogotsi Lab. His work on carbon and carbide nanomaterials with tunable structure and porosity had a major impact on the field of capacitive energy storage.

SYMPOSIA

NANO 2020 will be organized in 19 parallel TRACKS. The list of TRACKS and their organizers are :

TRACK 1 : Energy Conversion : Thermoelectrics and Solar Technologies

TRACK 2 : Energy Storage

TRACK 3 : Nanosensors and Nanoactuators

TRACK 4 : Nanoplasmonics

TRACK 5 : Nanoscale Science : Characterization and Modeling

TRACK 6 : Nanophotonics

TRACK 7 : Nanomaterials

TRACK 8 : Nanofabrication and Quantum Engineering

TRACK 9 : Nanomedicine

TRACK 10 : Nanotools

TRACK 11 : Nanoelectronics

TRACK 12 : Nanobio

TRACK 13 : Nanopackaging

TRACK 14 : Stretchable and Wearable Electronics

TRACK 15 : 2D Materials

TRACK 16 : Nanotechnology for Humanitarian and Peace Engineering

TRACK 17 : Sustainable Electronics : Disassembling, Recycling and Eco-Design

TRACK 18 : Nano-acoustics

TRACK 19 : Nano-Ferroids

PERKS/EXPOSURE FOR THE SPONSORS/EXHIBITORS

Given the prestige of IEEE organisation and the fact that it is the twentieth anniversary of the IEEE Nano conferences, the event is likely to attract even more attention from researchers and students. Our various networking events are a perfect opportunity for you to build professional relationships with specialists in the fields related to nanotechnology.

For your generous support, we propose different benefits summarised in the following table.

	Silver & Exhibitors	Gold	Platinum	Diamond	Maple	Inukshuk
Description	2000\$	5000\$	10,000\$	20,000\$	30,000\$	50,000\$
Registration fees waived for one person	✓	✓	✓	✓	✓	✓
Lunches offered for one person	✓	✓	✓	✓	✓	✓
Visibility on the website of the event	✓	✓	✓	✓	✓	✓
Visibility on the Facebook page of the event		✓	✓	✓	✓	✓
Identification of the sponsor on the posters of the event			✓	✓	✓	✓
Visibility on the event schedule				✓	✓	✓
Visibility during the networking events					✓	✓
Your tablecloth (provided by the sponsor) displayed on our lunch table						✓

*Please note that the prices are in CAD dollar.

EXHIBITORS

Our Conference includes an Exhibition event, on Wednesday and Thursday. Interested organisations sponsoring the conference starting from the silver level (2000\$) will be offered a space for their kiosk during the Exhibition. To increase the Exhibitor's visibility, breakfasts, lunches, Poster Technical Sessions, and networking events such as meeting with the Editors and the Young Professional Evening will be held in the exhibitor space.

We offer free breakfasts and lunches to all the Nano 2020 participants including the Exhibitors. We waive the entrance fee to the Young Professional Evening for our dear Exhibitors.

N.B. : We provide each kiosk with draped booths. The booths dimensions are 8' x 10'. The back drape is 8' high and the side drape is 3' high. We also provide a 6' table, two chairs and a wastebasket for each kiosk.

Thank you for your consideration !

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