



International conference on nanotechnology 21st edition of IEEE NANO July 28th to 31st



Nanotechnology researchers will gather to exchange information *across disciplines* at the IEEE International Conference in Nanotechnology, the flagship conference of the IEEE Nanotechnology Council. We hope you will join us at NANO 2021, the 21st edition of the IEEE NANO Conference, to be held next July 28th–30th, 2021.

We are delighted to share with you our confirmed distinguished plenary speakers:



John Polanyi,
Nobel Laureate
(University of Toronto)



Luisa De Cola
(University of
Strasbourg)



Yury Gogotsi
(Drexel University)



Shelley Minteer
(University of Utah)

Following the tradition of the NANO conferences, participants have the opportunity **to publish their research** in **Xplore** and **IEEE Transactions in Nanotechnology**.

TUTORIALS ON JULY 29TH (INCLUDED IN THE REGISTRATION FEES!)

MATERIALS INFORMATICS Dr Mannodi Kanakkithodi, Theory & Modeling Group, Center for Nanoscale Materials, Argonne National Laboratory, IL

ELECTROCHEMICAL TECHNIQUES IN SCIENCE AND ENGINEERING Dr Rob Sides
AMETEK Advanced Measurement Technology, Oak Ridge, TN

NANO 2021 will be organized in 20 parallel TRACKS. Each Track will include Invited Talks and contributed presentations. The details on topics are as follows:

TRACK 1: Energy Conversion: Thermoelectrics and Solar Technologies

TRACK 2: Nanoenergy: Storage and Saving

TRACK 3: Nanosensors and Nanoactuators

TRACK 4: Nanoplasmonics



- TRACK 5: 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**
- TRACK 20: Modern and Emerging Plasma Nanomanufacturing Technologies**

On Wednesday evening we will host a **POSTER SESSION**

- 2 prizes will be awarded for the best Posters (dedicated only to Undergraduate Students)
- 2 prizes will be awarded for the best Posters (dedicated only to Master and PhD Students)
- 2 prizes will be awarded for the best Posters (dedicated only to Post Doctoral Researchers)

We plan a **PANEL DISCUSSION (THE BUSINESS OF NANO)** on opportunities and challenges in nanotechnology deployment and commercialisation. The panel will discuss the arduous, yet rewarding, journey from nanotechnology research to commercially-viable products. This multidisciplinary panel drawn from academia, industry and government will cover a range of issues including : Intellectual property rights, sourcing and scale-up challenges, regulatory aspects, pricing, go-to-market strategies and much more.

STUDENT CAREER WORKSHOP

This workshop is an opportunity for master's and PhD students to discuss and explore their research interests and career objectives with their peers and with a panel of young researchers (young mentors) helping to develop a supportive community of scholars and a spirit of collaborative research.

The career choice panel will be moderated by **Prof. Federico Rosei**, UNESCO Chair in Materials and Technologies for Energy Conversion, Saving and Storage (MATECSS) and Canada Research Chair in Nanostructured Materials. Prof. Rosei co-authored the book "Survival Skills for Scientists", which stems from the graduate course he launched at INRS in 2003. Examples of topics that will be discussed are:

- 1- Choice of school and supervisor
- 2- Graduate school: what constitutes success
- 3- Work-life balance
- 4- Choice of research topic: incremental vs. original research
- 5- Career choices, e.g. academia vs national laboratories vs industry vs other professions
- 6- Communicating your science: writing compelling papers, giving engaging presentations

Important **dates for abstract submission**

Abstract Submission: **28-February-2021**

Notice of acceptance: **31-March-2021**



Submission of proceedings: **May 1st 2021**

Short notice proceedings for exceptional findings: **July 1st 2021**

Notification of short notice proceedings acceptance-revision-rejection: **July 15th 2021**

You can submit your abstract at:

<https://2021.ieeenano.org/authors/abstract-submission-for-review/>

More information is available on the conference website at:

<https://2021.ieeenano.org>

We would like to thank our sponsors that made this conference possible:

