



International Advisory Committee

Malgorzata Chrzanowska-Jeske, Portland St. U., USA
Sorin Cotofana, Delft U. of Tech., Netherlands
Lixin Dong, City University of Hong Kong, China
Kris Iniewski, Redlen Technologies Inc., Canada
Jin-Woo Kim, University of Arkansas, USA
Guangyong Li, University of Pittsburgh, USA
Chao-Sung Lai, Chang Gung University, Taiwan
Tao Li, Southeast University, China
Wen Jung Li, City University of Hong Kong, China
Jan Linnros, KTH Royal Institute of Tech., Sweden
Lianqing Liu, Shenyang Inst. of Automation, China
Fabrizio Lombardi, Northeastern University, USA
James Morris, NTC President, USA
Ted Sargent, University of Toronto, Canada
Bing Sheu, Chang Gung University, Taiwan
Yonhua Tzeng, National Cheng Kung U., Taiwan
John T.W. Yeow, University of Waterloo, Canada
Qing Zhang, Nanyang Technological U., Singapore

General Chairs

Kremena Makasheva, CNRS LAPLACE, France
Xiaoning Jiang, North Carolina State U., USA

General Co-Chair

Reuven Gordon, University of Victoria, Canada

Program Chair/General Co-Chair

Jim Spicer, Johns Hopkins University, USA

Publicity Chair

Bonnie Gray, Simon Fraser University, Canada

Publication Chair

Yann Cressault, Paul Sabatier University, France

Registration Chair

Makhsud Saidaminov, University of Victoria, Canada

Exhibit/Sponsorship Chair and Co-Chair

Catherine Tran, Intel, USA
Michael Adachi, Simon Fraser University, Canada

Local Arrangements Chair

Anand Shah, BC Hydro, Canada

Conference Treasurer

Lee Oien, Portland, OR, USA

Website/Technology Chair

Ed Perkins, Portland, OR, USA

Assistant webmaster

Qianqian Cai, North Carolina State U., USA

Call for Papers

The IEEE Nanotechnology Council (NTC) is pleased announce the 16th IEEE Nanotechnology Materials and Devices Conference (IEEE NMDC 2021) which will be held in Vancouver, BC, Canada from October 17th to 20th, 2021. IEEE NMDC 2021 will be hosted at the Pinnacle Harbourfront Hotel located in the center of Vancouver, and will be co-located with the IEEE Conference on Electrical Insulation and Dielectric Phenomena (IEEE CEIDP). The two conferences will hold joint sessions to highlight important work being pursued at the nexus of their respective disciplines. IEEE NMDC is a well-received international conference that has been held annually rotating in different parts of the world; in 2019 it was in Stockholm, Sweden and met virtually in 2020. For 2021, updates related to COVID-19 including state requirements will be announced on the conference website. IEEE NMDC aims to highlight current work and future directions in nanotechnology-related research by bringing together key researchers from a diversity of disciplines.

IEEE NMDC 2021 will feature innovative research results on topics including, but not limited to, nanodielectric materials, nanodevices for neuromorphic/AI/VR applications, nanomagnetic structures and devices, nanosensors and nanoactuators, nanoscale dielectrics for resistive memory applications, nanoelectronics, theory and modelling of nanomaterials and devices, low-dimensional and quantum dot devices, nanodiamond and other nanocarbon structures, nanomaterials for energy applications, nanopackaging and heterogeneous system integration, nanomaterials, nanobiomedical applications including drug delivery and tissue engineering, nanorobotics and soft robotics, nanomanufacturing and nanofabrication methods, nanonetworks, nanofluidics and nanoreactors, nanometrology and characterization, nanoacoustics, nanophotonics, metamaterials and plasmonics, nanotechnology education, commercialization of nanotechnology and nanotechnology issues: environment, safety and sustainability.

Call for Contributions

Papers: Prospective authors are invited to submit high-quality papers reporting original results under the broad theme, and in all areas of nanotechnology materials and devices. Best Conference Papers and Best Student Papers will be awarded. Information for Authors including Submission Instructions and requirements can be found [here](#).

Tutorials and Workshops: As with previous IEEE NMDC conferences, the organizers intend to arrange a program of workshops and/or tutorials to be held prior to the conference. Proposals for tutorials and workshops that address topics related to the conference theme are welcome.

Exhibits: IEEE NMDC 2021 offers an excellent opportunity for companies with links to nanotechnology to showcase their products and services. Exhibition space is available at the Pinnacle Harbourfront Hotel near the meeting space for the conference technical program. Information on exhibiting can be found on the conference website [IEEE NMDC 2021](#).

Important Dates

Last date for Special Session and Workshop/Tutorial proposals: March 31, 2021

Last date for Short Abstract (text only) submission: **May 15, 2021**

Last date for Regular, Special Session and Invited papers submission: May 31, 2021

Late Breaking News Extended Abstract Submission: August 10, 2021