

CALL FOR PAPERS

Abstract Submission Opens: February 1, 2022

Abstract Submission Close: April 15, 2022



ICAPMOT

May 24- May 28, 2022 | VIRTUAL

<https://seednanotech.com/icapmot-2022>

Symposium: Advanced Plasmonics, Magnetics, and Magneto-optical Technologies. Youth Education, Innovation and Entrepreneurship.



TOPICS WILL INCLUDE BUT NOT LIMITED TO:

MAGNETO-PLASMONICS

- Theory and principle of magnetoplasmonics
- Theory and principle of magneto-optic surface plasmon resonance
- Synthesis of magnetoplasmonic core-shell nano-structured materials
- Characterization of magnetoplasmonic materials
- Oxide and inverse spinel material-based magnetoplasmonics
- Magnetoplasmonic nanocomposites/nanocrystalline materials
- Magnetoplasmonic material, nanofluidic and nanofabrication
- Magnetoplasmonics nanobiomaterials and nanomedicine
- Magneto-optic SPR biosensors and potential applications
- Magnetoplasmonics materials for monitoring, surveying, and imaging
- Photonic crystal based magnetoplasmonic devices
- Graphene-based magnetoplasmonic materials and devices
- Optomagnetic Biodetection
- Remote magneto-mechanical nanoactuation (MEMS)
- Thermoplasmonics

BIOPHOTONICS

- Si-based and Photonic materials and magnetoplasmonics
- Green photonics, energy, and related technologies
- Ultrafast optics and applications
- Sensing, communications, and information processing
- Nonlinear optics, nanophotonics and plasmonics
- Optical telecommunications
- Photonics technology entrepreneurship and innovation
- Photonic theory design and simulations

MAGNETISM AND MAGNETIC MATERIALS

- Magneto-optics / Magneto-photonics
- Magnetism in biology and medicine
- Soft and Hard Magnetic materials and applications
- Magnetic Sensors, high frequency & power devices
- Spin electronics & applications
- Magnetic recording, Magnetic thin films & multilayers
- Magnetization dynamics
- Modeling and computational magnetism
- Microscopy, Imaging & Characterization
- Shape-memory alloys and Magnetocaloric effect
- Diluted Magnetic Semiconductors and Oxides

YOUTH ENTREPRENEURSHIP

- Competence in expanding new skills by searching alternatives.
- Financial literacy and capabilities for expansion and diversification.
- Building emotional quotient with peers, Organizations and Associations.
- Reduction of tax and regulatory barriers for new entrepreneurs.
- Expansion and Promotion of mentorship programs
- Providing room for internships, volunteering for solid foundation.
- Expanding technical viability and resources

YOUTH EDUCATION AND INNOVATIONS

- Channelizing young minds through Research and Development.
- Addressing skill gap through specialized global technologies.
- Effective upskilling through awareness and cognitive mapping
- Encompassing technical, leadership and domain-based learning.
- Focus on "Human Engineering" through connections.
- Training in digital and incremental skills.

ICAPMOT 2022

International Conference On
Advanced Plasmonics, Magnetics, &
Magneto-Optical Technologies



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Virtual Event

20% Discount For A Member
Register Early



Organizers:



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- MAGNETO-PLASMONICS
- BIOPHOTONICS
- MAGNETISM AND MAGNETIC MATERIALS
- YOUTH ENTREPRENEURSHIP
- YOUTH EDUCATION AND INNOVATIONS

TUTORIAL SPEAKERS INCLUDE:

- Prof. Bhavin Shastri (Queen's University, Canada)
- More to be added soon.

INVITED SPEAKERS INCLUDE:

- Prof. Paolo Vavassori (CIC nanoGUNE, Spain)
- Dr. Henri Migala (UC San Diego, USA)
- Prof. Hiromasa Shimizu (Tokyo University of Agriculture and Technology, Japan)
- Prof. Rameshwar Adhikari (Tribhuvan University, Nepal)
- Prof. Durga Poudel (Faculty of Math at University of Alabama, USA)
- Prof. Ramesh Pokharel (Kyushu University, Japan)
- Prof. Atsufumi Hirohata (University of York, England)
- Dr. Lidia Martínez (Instituto de Ciencia de Materiales de Madrid, Spain)
- Dr. Daria Ignatyeva (Russian Quantum Center, Russia)
- Dr. José Miguel García-Martín (Spanish National Research Council, Spain)
- Dr. Piya Ratna Maharjan (International Youth Society, Nepal)
- Dr. Mohan Neupane (Kathmandu University, Nepal)
- More to be added soon.

STUDENT SPEAKERS INCLUDE:

- Mr. Aryan Sidana (McMaster University, Canada)
- Miss. Rasmita Timalsina (Tribhuvan University, Nepal)
- Mr. Abrar Hussain (Concordia University, Canada)
- Miss. Chantal Tracey (ITMO University, Russia)
- More to be added soon.

IMPORTANT DATES:

Registration Opening:

March 1, 2022

Abstract Submission:

Open: February 1, 2022

Ends: ~~April 1, 2022~~

Extended to April 15, 2022

Notice of acceptance:

~~April 15, 2022~~

Extended to April 25, 2022

Final Program:

May 1, 2022

Virtual Conference Dates:

May 24th - May 28th, 2022

Registration Closing:

May 1, 2022

Time:

9:00 - 11:30 AM EST
(Eastern Standard Time)

Plenary Speakers:

Prof. Dr. Laura Lechuga
(May 24th at 9:00 AM EST)

Prof. Alexander Ramm
(May 28th at 11:00 AM EST)

Tutorial Speakers:

Prof. Bhavin Shastri
(May 25th at 11:00 AM EST)

ICAPMOT 2022 SECRETARIAT
SUITE 400 - 2 COUNTY CT BLVD,
BRAMPTON, ON, CANADA
PHONE: +1 (289)499 3249
MONDAY - FRIDAY - 09:00 TO 17:00
CANADIAN EASTERN TIME
EMAIL: CONFERENCE@SEED-
NANOTECH.COM;
INFO.SEEDNANO@GMAIL.COM

PLENARY SPEAKERS INCLUDE:

Prof. Laura Lechuga;
Catalan Institute of
Nanoscience and
Nanotechnology (ICN2),
CSIC, BIST, and CIBER-
BBN



Prof. Warwick Bowen;
University of Queensland
Precision Sensing Initiative,
Australian Research Council
Centre of Excellence for
Engineered Quantum
Systems, Australian
Institute for Bioengineering
and Nanotechnology, and
University of Queensland



Prof. Adekunle
Adeyeye;
Trevelyan College,
Durham University,
Royal Society Wolfson
Fellow



Prof. Alexander
Ramm;
Kansas State
University



Please feel free to self-nominate or recommend your colleagues for an invited talk at <https://seed-nanotech.com/icapmot-2022/> Please check this page for further updates.

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ONLINE REGISTRATION

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