

CALL FOR PAPERS

Abstract Submission Opens: December 01, 2020

Abstract Submission Close: January 15, 2021

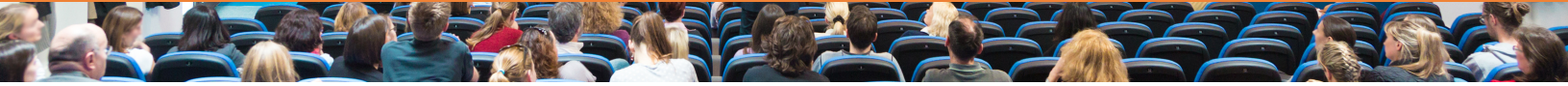


ICAPMOT

May 24- May 28, 2021 | Pokhara, Nepal

<https://seednanotech.com/conference>

Symposium: Advanced Plasmonics, Magnetism, 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

PLENARY SPEAKERS INCLUDE:

Dr. Simone Pisana | York University, Canada

To be updated...

INVITED SPEAKERS INCLUDE:

Dr. Panna B. Thapa | Professor of Pharmacy & Controller of Examinations, Kathmandu University | Nepal
Dr. Shyam P. Lohani | Founder / Academic Director & Professor, Nobel College | Kathmandu, Nepal
Dr. Jose Miguel Garcia Martin | Scientific Researcher | Spanish National Research Council, Spain
Dr. Ravi Hadimani | Professor & Director of Biomagnetics Laboratory, Virginia Commonwealth University | USA
Dr. Tara Dhakal | Professor, Binghamton University | Director-Electrical and Computer Engineering; Center for Autonomous Solar Power (CASP) | USA
Dr. Narayan Unni KN | Senior Principal Scientist, CSIR-National Institute for Interdisciplinary Science and Technology | India
Dr. Pankaj P. Khirade | Professor in Physics, Department of Physics, Shri Shivaji Science College, Amravati (MS), India
Mr. Bikash Shrestha | Biomedical Engineer, Nepal
Dr. Dolendra Karki | Michigan Institute of Technology, the USA

To be updated...

Please feel free to self nominate or recommend your colleagues here <https://seed-nanotech.com/conference/>
Please check this page for further updates.

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..

Organizers:

