



ONLINE WORKSHOP ON "ELECTRON BEAM LITHOGRAPHY"

School of Applied and Interdisciplinary Sciences (SAIS)

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE



*One-day online
Workshop (webinar)*

*Time & Date:
10:25 AM to 5:35 PM on
20th January, 2022.*

*Webinar: "Advances in Electron Beam Lithography:
Fundamentals to Applications"*

Patron: *Prof. Tapas Chakraborty, Director, IACS Kolkata*

Plenary Speaker



*Prof. G.U. Kulkarni
President, JNCAR, India*

Popular Speaker



*Dr. Deep Jariwala
University of Pennsylvania, USA*

Platform: Zoom



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register](#)

Webinar Speakers



*Prof. Subrata Ghosh
IIT Mandi, India*



*Dr. Abhay Sagade
SRMIST, Chennai, India*



*Dr. Dibyendu Hazra
VTT Helsinki, Finland*



*Dr. Vignesh
Carl Zeiss, Singapore*



*Mr. Otto Carel
Raith BV*



*Dr. Guido Piaszenski
Raith GmbH, Germany*

Webinar: "Advances in Electron Beam Lithography: Fundamentals to Applications"

- One-day online workshop on "Advances in Electron Beam Lithography, Fundamentals to Applications" is intended to furnish the knowledge and know-how about Electron Beam Lithography (EBL) for researchers.
- Internationally reputed speakers in EBL will deliver talks where fundamental aspects of the EBL including e-Beam resist, writing speed and patterning features will be discussed. The webinar will also provide an overview of RF devices, photonic devices, large-scale device fabrication and other device applications

WORKSHOP TAKEAWAYS

- ✓ Hear from internationally reputed speakers in Electron Beam Lithography
- ✓ The training and understanding of electron beam lithography process
- ✓ Fundamental aspects and device applications of EBL will be discussed

WORKSHOP TOPICS

1. Introduction to "Electron Beam" Lithography
2. Electron Beam Lithography: some concepts and utilities
3. Resists for e-Beam and He-ion Beam Lithography
4. Sub-10 nm Nano-Fabrication with Light Ions
5. Applications of Electron-Beam-Lithography
6. Heterostructures for Advanced Logic, Memory & Photonics
7. Novel designs & structures by EBL for RF applications

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