

**One day sensitization program on Silvaco TCAD, 30-3-2019,
2:00 pm – 5:00 pm**

Nanotech Research, Innovation and Incubation Centre (NRIIC) at PSG Institute of Advanced Studies (PSGIAS) is equipped with state-of-the-art facilities for nanomaterial synthesis and characterization, thin film device design and modelling, device fabrication and electrical characterization. Fabrication facilities are housed in class 1000 clean room.

Silvaco TCAD Facility:

The technology for device fabrication has treaded to new generation with more and more materials and new generation processes, which is demanding design for manufacturing incorporating lithography to printability. SILVACO is an integrated Technology CAD tool providing platform for wide range of processes and technology. CAD solutions are essential to address the following challenges in device manufacturing such as

- **Technology**
- **Design rules**
- **Design for manufacturing**
- **Scaling**
- **Yield**
- **Factory integration**

About the training programme:

The main objective of this program is to familiarize prospective users with features and capabilities of the tool in design and modeling new generation devices and processes. The participants will be introduced to the features of Silvaco TCAD with demonstration of one device simulation.

Who should attend?

Research scholars - post graduate students - faculty members.

Agenda

Program	Time
<ul style="list-style-type: none"> • Introduction to Silvaco Tools • TCAD Athena Framework • Atlas Framework • Demonstration 	2:00 pm to 5:00 pm

How to register:

Seats are limited and registration on first come first served basis. Reserve your seat by sending an email to bbs@psgias.ac.in with subject line as Silvaco program.

Co-ordinators:

- **Prof. Bindu Salim, Faculty In-charge**
- **Prof. K. K. Venkataraman**
- **Mr. M Sureshkumar, PSGIAS**



For Further details contact:

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