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Powered by



Advanced CMOS Devices and Technology

Modular Training Course

Using Virtual TCAD Manufacturing and DTCO.

Modules 5 and 6: Second Announcement

*Delivered by world leading CMOS expert Prof. Asenov
of Semiwise Ltd & Glasgow University*

Venue: Glasgow Grand Central Hotel, Glasgow, UK **and On-Line**

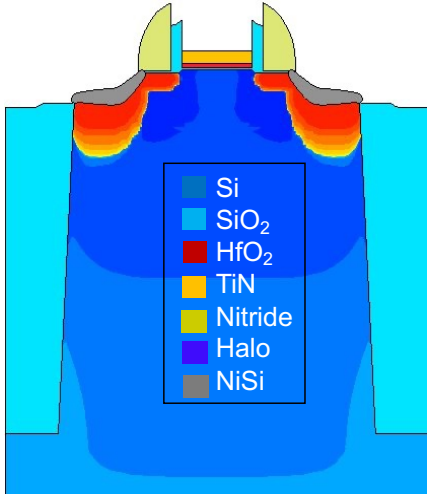
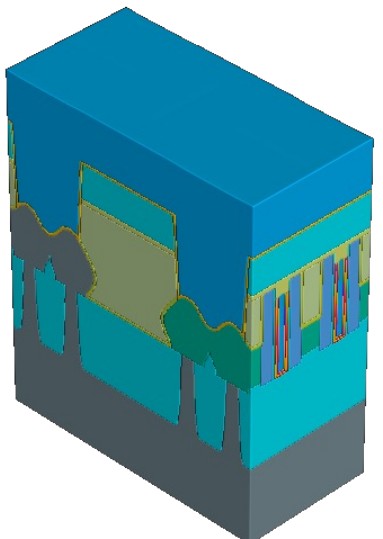
Date: Tuesday 21st & Wednesday 22nd January 2025

Module5: CMOS Fabrication Processes	21.01.2025	£600 per participant
Module6: TCAD based planar MOSFET and FinFET fabrication and optimisation.	22.01.2025	£600 per participant

Background: This course is designed to facilitate the rapid training of semiconductor professionals. It is based on the concept of Virtual Manufacturing using Technology Computer Aided Design (TCAD) tools from Synopsys alongside illustrated TCAD simulation examples.

Target students: **From zero to semiconductor hero in 8 days.** The course is designed for science and engineering graduates with no prior knowledge and experience in semiconductors. It is suitable for up-skilling of both in-fab technicians and engineers and analogue and digital design engineers who need to understand the translation from design into physical circuit operation and performance.

Virtual manufacturing: We will present in great details the step-by-step manufacturing flow of advanced bulk CMOS and FinFET technologies. **You have not seen anything on this scale and with such details before:**

28nm Metal gate first CMOS Sentaurus Process	7nm FinFET CMOS Sentaurus Process Explorer
	

Updated Course Fees and Discounts. If you have one of the following, don't forget to ask for your coupon code for a discount.

- **PhD Students:** Fee **£200** per module.
- **Postdocs:** Fee **£300** per module.
- **NMI Members, Silicon Catalyst Members, and Academia:** Fee **£400** per module.
- **Group bookings:** For discount contact the course organiser.

Further Information

For further information and expression of interest please contact the Course Organiser Dr. Ismail Topaloglu ismail.topaloglu@semiwise.uk,