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## 9<sup>th</sup> SiNANO Modelling and Simulation Summer School

12<sup>th</sup>– 14<sup>th</sup> July, 2022, at University of Glasgow, Glasgow, Scotland, UK

<https://www.gla.ac.uk/events/conferences/sinano2020/>

Planned as a hybrid event: online & in person

### Announcement

#### General Information

The SiNANO Modelling and Simulation Summer School is a bi-annual comprehensive set of classes aimed at doctoral and postdoctoral level researchers, and young academics and modelling and simulation expert in industry. Via a programme consisting of lectures, tutorials, advanced discussion groups, the participants will expand and refine their knowledge of the modelling and simulation of cutting-edge semiconductor devices, with the world's leading device modelling and simulation experts. The need for advanced modelling and simulation will be motivated by lectures on extremely scaled and novel Nano electronic devices covering the *More Moore*, *More Than Moore* and *Beyond Moore* domains.

#### Scope

This year the SINANO Summer School will target multi-scale modelling and simulation of semiconductor devices. It includes a total of 13 lectures targeting topics related to the modelling and simulation as well as fabrication and characterization of different types of semiconductor nanoelectronic devices. The Summer School will cover to the following topics:

- Novel nanoelectronics devices and corresponding modelling challenges
- Material modelling and atomic scale device simulation
- Quantum transport and simulations
- Monte Carlo and Wigner Monte Carlo simulations
- Compact modelling
- Process simulations
- Design Technology Co-Optimization (DTCO)

#### Invited Speakers

Speaker	Organisation	Speaker	Organisation
<a href="#">Dr. Victor Moroz</a>	Synopsys (USA)	<a href="#">Prof. Gerhard Klimeck</a>	Purdue University (USA)
<a href="#">Prof. Adrian Ionescu</a>	EPFL (CH)	<a href="#">Dr. Plamen Asenov</a>	Synopsys (UK)
<a href="#">Prof. Mathieu Luisier</a>	ETH (CH)	<a href="#">Prof. Nicola Marzari</a>	EPFL (CH)
<a href="#">Prof. Kirsten Moselund</a>	EPFL & PSI (CH)	<a href="#">Prof. Francisco Gamiz</a>	University of Granada (ESP)
<a href="#">Dr. Søren Smidstrup</a>	Synopsys (DK)	<a href="#">Dr. Cory Weber</a>	Intel (USA)
<a href="#">Dr. Eberhard Bar</a>	IISB Fraunhofer (GER)	<a href="#">Prof. Tibor Grasser</a>	TU Vienna (AUT)
<a href="#">Dr. Yann-Michel Niquet</a>	CEA Leti (FRA)	<a href="#">Dr. Alfonso Sanchez-Soares</a>	EOLAS Design Ltd.
<a href="#">Dr. Markus Karner</a>	Global TCAD Solutions		

#### Further Information

Information about the registration fees, hotel reservation and the full program is provided at conference website [here](#).

[Find tickets on the Eventbrite website here](#)