



## 23<sup>rd</sup> International Conference on Ion Implantation Technology

September 20-24, 2021 | San Diego, California | The US Grant Hotel

# SCHOOL ANNOUNCEMENT

## Ion Implantation Science & Technology (with annealing)

School Dates: Sept 9-11, 2021

San Diego, CA USA

A 3-day school on fundamental and practical aspects of ion implantation and annealing operations in research and IC production environments will be held prior to the 23rd International Conference on Ion Implantation Technology (IIT2021) in San Diego, CA USA in September 2021.

This school, which has preceded IIT meetings since 1982, will be taught by an expert group of instructors with many years of hands-on experience in the design, construction and operation of ion implantation and annealing tools as well as practical experience in process development and metrology. All attendees of the school will receive a hardbound, ≈600 page book containing tutorial chapters written by the instructors for follow-on study.

Topics covered in the course include:

- History of Integrated Circuits and Ion Implantation
- Ion Implantation: Current and Future CMOS ICs
- Commercial Ion Implantation Systems
- Analytic Techniques for Ion Implantation
- Science of Ion Implantation Damage and Annealing
- Annealing Process for Ion Implanted Si, Ge, SiC and GaN
- Cluster Ion Beams: History and Technology
- Fundamentals of Ion Implantation Beamline Design
- Source Physics and Maintenance
- Safety Considerations in Ion Implantation
- Ion Beam Purity and Elemental Contamination
- Advanced Ion Implant Applications for CMOS Devices
- Ion Implantation in Power Devices, new Base Materials and Solar Cells
- High Performance CMOS: 7 nm & Beyond

For detailed registration information, visit [mrs.org/iit2021](http://mrs.org/iit2021).

IIT 2021 is managed by



[www.mrs.org/conference-services](http://www.mrs.org/conference-services)

