CALL FOR PAPERS

The International Conference on Ion Implantation Technology 2020 (IIT 2020) is the 23rd Conference in the biannual series focused on discussion of major challenges in current and emerging technologies related to implant/doping and annealing processes, device applications, equipment, metrology and modeling. The Conference offers an excellent opportunity for engineers and researchers in industry, research institutes and universities to present new results and to discuss ideas of new applications of ion implantation and annealing. The organizers welcome contributions from a wide range of topics, from fundamental research to industrial applications and equipment.

SCIENTIFIC PROGRAM

The five-day Conference will feature oral and poster presentations covering the following topics:

Advanced Implant/Doping and Annealing Equipment

Implant/Doping Technologies and Processes
- Ion Implantation, Plasma Doping, Gas and Solid Doping
- Junction Formation, MeV Implant, Materials Modification

Metrologies for Implant/Doping and Annealing Processes:
- Physical and Electrical Characterization of 2D and 3D Structures
- Advanced Process Control

Modeling and Simulation of Implant/Doping and Annealing Processes

Annealing Technologies and Processes
- Rapid Thermal Processing, Laser Annealing, Flash Annealing, SPE, New Activation Annealing
- Junction, Silicide, Contact and Dielectric Formation
- Lattice Damage and Defects

Device Applications for Implant/Doping and Annealing Processes
- CMOS Devices, Memory Devices, Power Devices (SiC, GaN), RF-SOI, Image Sensors, IoT Devices, Photovoltaics, III-V Devices
- Integration with Other Fabrication Processes

CONFERENCES VENUE

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For the most up-to-date information on IIT 2020, visit mrs.org/iit2020.