



Amorphous and Nanocrystalline Semiconductors: Selected Papers from ICANS 29

Guest Editors:

Prof. Dr. Kunji Chen

Prof. Dr. Shunri Oda

Prof. Dr. Linwei Yu

Deadline for manuscript
submissions:

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Message from the Guest Editors

The International Conference on Amorphous and Nanocrystalline Semiconductors (ICANS) is a fantastic event for global academic researchers, industrial partners and policy makers to come together and share their latest progress and exciting breakthroughs and ideas, on the topics of amorphous and nanocrystalline thin films or other nanostructure materials. This conference has a long history of 57 years, and was first held in Prague in 1965. Since then, the conference has been held every two years in many European, American and Asian cities. Nanjing has been selected to host the 29th ICANS in 2022, and so China will host the conference for the very first time. This Special Issue will contain the accepted papers presented at 29th ICANS in Nanjing, China, including those that cover fundamental physics, modeling and characterization technologies; Si-based, oxide, organic, perovskite and 2D thin films and nanostructures; device applications for thin film transistors (TFTs), solar cells, sensors, light-emitting diodes (LEDs), flexible thin film electronics and emerging neuromorphic logics.





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Editor-in-Chief

Prof. Dr. Shirley Chiang

Department of Physics, University
of California Davis, One Shields
Avenue, Davis, CA 95616-5270,
USA

Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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Nanomaterials Editorial Office
MDPI, St. Alban-Anlage 66
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