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CONTACT

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MÜNSTER, GERMANY
14-18 August 2023



22nd International Conference on Electron Dynamics in Semiconductors, Optoelectronics and Nanostructures (EDISON 22)

14-18 August 2023, Münster, Germany

FIRST ANNOUNCEMENT

The 22nd International Conference on Electron Dynamics in Semiconductors, Optoelectronics and Nanostructures will be held in Münster, Germany, from 14-18 August 2023. It is the 22nd meeting of the international conference series formerly named Hot Carriers in Semiconductors (HCIS), first held in 1973 in Modena, Italy, and since 2009 running under the name EDISON. The past conferences in this series were organized in Salamanca, Spain (2015), Buffalo, USA (2017) and Nara, Japan (2019).

CONFERENCE SCOPE

The primary focus of EDISON is to provide an international venue to discuss the latest progress in the field of fundamental physics and applications of nonequilibrium classical and quantum carrier dynamics in semiconductors, optoelectronic devices and nanostructures. Specific topics of particular interest include:

- Nonequilibrium electrical and thermal transport in bulk, nanostructures and devices
- Terahertz phenomena in semiconductor materials and devices
- Mesoscopic phenomena in nanostructures
- Electrical and optical properties of 2D materials and their heterostructures
- Carrier dynamics and ultra-fast optical phenomena
- Coherent carrier dynamics for quantum technologies
- Semiconductor-based spintronics
- Electronic properties of topological materials
- Carrier dynamics in organic materials
- Charge dynamics in energy conversion and energy harvesting processes
- Fluctuations and noise in nonequilibrium carrier dynamics
- Interaction of charges with plasmonic, phononic and mechanical excitations

LOCATION/IMPORTANT DATES

The conference will be held at the Agora conference site near the Aasee, Münster. To find out more (invited speakers, abstract submission, venue & accommodation, registration) please visit our website.

Abstract submission deadline
Notification of acceptance

15 March 2023
28 April 2023

<https://edison22.uni-muenster.de>

