

# 22nd International Workshop on Computational Nanotechnologies

## June 12<sup>th</sup>-16<sup>th</sup> 2023 Barcelona

The [IWCN](#) is the leading forum for discussions on current trends and future directions for nanotechnology computations. The venue will be [Casa Convalescència](#), a modernist building in the center of [Barcelona city](#).

### 1st Call for papers

<https://iwcn2023.uab.es>



### IMPORTANT DEADLINES:

Abstract [submission](#): **February 10<sup>th</sup> 2023**  
Acceptance notification: **March 10<sup>th</sup> 2023**  
Early bird [registration](#): **April 19<sup>th</sup> 2023**

**AUTHORS:** Prospective authors are invited to [submit](#) a 2-page abstract, 1 page of text and 1 of figures, for oral or poster presentations on the [topics](#):

- 1.- Multiscale and multiphysics simulations
- 2.- Simulation of nanodevice processing and performance
- 3.- Electronic structure calculations
- 4.- Computational design and evaluation of engineered nanomaterials/nanostructures
- 5.- Simulations of electronic, optical and mechanical properties of nanostructures
- 6.- Simulations of electronic, thermal, spin and molecular transport processes
- 7.- First principles calculations in the context of transport studies
- 8.- Novel architectures for nanodevices

**SATELLITE WORKSHOP:** The 5th edition of the [International Wigner Workshop](#) (IWW) will take place as a satellite workshop at the beginning of the conference, from June 11-12, 2023, at the same [venue](#) as the IWCN.

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