

## PUMPS+AI ACM Summer School, 2024

### Objectives

PUMPS+AI 2024 has been selected an ACM Seasonal School

The Barcelona Supercomputing Center (BSC) currently offers a number of courses covering CUDA architecture and programming languages for parallel computing. Please contact us for possible collaborations.

The 14th edition of the Programming and Tuning Massively Parallel Systems + Artificial Intelligence summer school (PUMPS+AI) is aimed at enriching the skills of researchers, graduate students and instructors with cutting-edge technique and hands-on experience in developing applications for many-core processors with massively parallel computing resources like GPU accelerators, with a special focus on artificial intelligence.

- *Summer School Co-Directors:* [Mateo Valero](#) (BSC and UPC) and [Wen-mei Hwu](#) (University of Illinois at Urbana-Champaign / NVIDIA)
- *Local Organizers:* [Antonio J. Peña](#) (Chair, BSC), [Marc Jordà](#) (BSC)
- *Dates:*  
Applications due: **30th April**  
Due to space limitations, early application is strongly recommended. You may also be suggested to attend an online prerequisite training on basic CUDA programming before joining PUMPS.  
Notification of acceptance: **13th/14th May**
- *Location:* UPC Campus Nord, Barcelona (Spain)
- *Organized by:* Barcelona Supercomputing Center ([BSC](#)), Universitat Politècnica de Catalunya ([UPC](#)), University of Illinois at Urbana-Champaign ([University of Illinois](#)), HiPEAC Network of Excellence ([HiPEAC](#))
- *Prerequisites for the course are:* Basic CUDA knowledge is required to attend the course. Applicants that cannot certify their experience in CUDA programming will be asked to take a short on-line course covering the necessary introductory topics, C, C++, Java, or equivalent programming knowledge. Skills in parallel programming will be helpful.

See the program [here](#).

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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