

## PUMPS + AI Summer School 2019

### Objectives

The Barcelona Supercomputing Center (BSC) in association with Universitat Politècnica de Catalunya (UPC) has been awarded by NVIDIA as a GPU Center of Excellence. BSC and UPC currently offer a number of courses covering CUDA architecture and programming languages for parallel computing. Please contact us for possible collaborations.

The tenth 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 teachers with cutting-edge technique and hands-on experience in developing applications for many-core processors with massively parallel computing resources like GPU accelerators.

### Requirements

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

#### Academic Staff

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Distinguished Lecturers: [Wen-mei Hwu](#) (University of Illinois at Urbana-Champaign) and [David Kirk](#) (NVIDIA Corporation)

Invited Lecturer: [Juan Gómez-Luna](#) (ETH Zurich)

BSC / UPC Lecturers: [Antonio J. Peña](#), [Xavier Martorell](#) and [Xavier Teruel](#)

Teaching Assistants:

UIUC: [Abdul Dakkak](#), [Carl Pearson](#), [Cheng Li](#)

BSC/UPC: [Marc Jorda](#), Muhammad Owais

#### Further information

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[For more information please visit the PUMPS website.](#)

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