![Barcelona Supercomputing Center - Centro Nacional de Supercomputación]

PUMPS + AI Summer School 2019
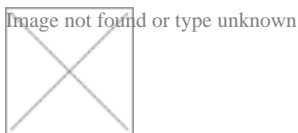
Objectives

The Barcelona Supercomputing Center (BSC) in association with Universitat Politecnica 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

Distinguished Lecturers: **Wen-mei Hwu** (University of Illinois at Urbana-Champaign) and **David Kirk** (NVIDIA Corporation)
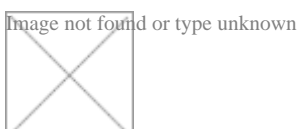Invited Lecturer: Juan Gómez-Luna (ETH Zurich)

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

For more information please visit the PUMPS website.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

---