

CURSOS DE VERANO 2017



Summer School on High-Performance Interconnection Networks for HPC and Data Centers Towards the Exascale and Big-Data Era (HiPINEB)

July 10-11, 2017. Albacete, Spain
Faculty of Computer Engineering

DIRECTORS:

Francisco J. Alfaro
University of Castilla-La Mancha, Spain
Jesús Escudero-Sahuquillo
University of Castilla-La Mancha, Spain

HONORIFIC DIRECTOR:

Dr. Isidro Ramos Salavert
Full Professor of the Department of Computer Systems and Computation
Technical University of Valencia, Spain
The course lessons and talks will be in English.

ADDRESSED TO:

Graduate, Master, PhD students, professors, engineers, researchers, managers, and other people both from industry and academia are encouraged to participate.

REGISTRATION LIMIT:

jun 30 th

July 10 (Room: Salón de Actos ESII)

- 9:00 AM Registration and Welcome
9:30 AM Opening
10:00 AM *Shared Pool of Virtualized Accelerators: A Key Architectural Innovation for Power-Efficient Clusters*
Jose Duato
Technical University of Valencia, Spain.
12:00 PM *Congestion Management for Current and Future Interconnection Networks: Challenges and Solutions*
Pedro Javier Garcia
University of Castilla-La Mancha (UCLM), Spain

Organise:



Vicerrectorado de Cultura, Deporte y Extensión Universitaria

- 16:00 PM *Practical Lab: Hands-on configuring HPC networks*
19:00 PM *Many-core processors interfacing interconnection networks: lessons learned and possible future directions*
Holger Fröning
Ruprecht-Karls University of Heidelberg, Germany

July 11 (Room: Salón de Actos ESII)

- 9:00 AM *High Performance Input/Output in large Fabrics*
Bernard Metzler
IBM Zurich Research Laboratory, Zurich, Switzerland
11:00 AM *New trends in Data Center and HPC networks*
Eitan Zahavi
Mellanox Technologies, Israel
12:30 PM *Intel Omni-Path Fabric: Architecture and technology overview*
Gaspar Mora
Intel Corp., Santa Clara, USA
16:00 PM *Exascale fabric administration tools – BXI Software solutions*
Ben Bratu
Atos/BULL
18:00 PM *Panel Session. The Future of the Interconnect Technology in*
Moderator:
Pedro Javier Garcia
University of Castilla-La Mancha (UCLM), Spain.
Panelists:
Jose Duato
Technical University of Valencia, Spain
Eitan Zahavi
Mellanox Technologies, Israel
Ben Bratu
Atos/BULL
Bernard Metzler
IBM Zurich Research Laboratory, Zurich, Switzerland
19:30 PM *Farewell*

Collaborate:



Universidad de Castilla-La Mancha

Vicerrectorado de Cultura, Deporte y Extensión Universitaria

<http://cursosdeverano.uclm.es> | cursos.verano@uclm.es

Cuota de matriculación: 50 Euros

Las inscripciones podrán formalizarse a través de:

- <http://cursosdeverano.uclm.es>
- Las Unidades de Extensión Universitaria de cada campus

El curso tiene validez de 1 Crédito ECTS para titulaciones de grado de la UCLM, para ello la Dirección establecerá las condiciones que deberán cumplir los alumnos matriculados.