

Acknowledgments

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Professor at the Universitat Politècnica de Catalunya Barcelona Tech¹³⁵ with 30 years of experience in teaching¹³⁶ and research¹³⁷ in high performance computing, with important scientific publications¹³⁸ and R&D projects¹³⁹ in companies and institutions.

His entrepreneurial spirit has led him to apply these systems in advanced analytics on Big Data, and at the moment his research focuses on supercomputing applied to Artificial Intelligence in general and Deep Learning in particular, an area in which he is co-advising three doctoral theses. His research has been published in the main forums of this field, including the *International Conference on Learning Representation (ICLR 2018)* and workshops within *Computer Vision and Pattern Recognition (CVPR 2017, 2018)* and *Neural Information Processing Systems (NIPS 2016, 2017)*. In these publications he has collaborated with researchers from the UPC, Columbia University, Google and Facebook.

Since its inception he has led a research group¹⁴⁰ at the Barcelona Supercomputer Center¹⁴¹. He is intellectually eager and passionate about new technologies. During recent years he has carried out different activities contributing to the definition of what strategy to follow at a technological level ahead of the new challenges that these technologies represent. He is

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¹³⁶ See <https://jorditorres.org/research-teaching/activity/>

¹³⁷ See <https://jorditorres.org/research-teaching/activity/>

¹³⁸ See <https://jorditorres.org/research-teaching/publications/>

¹³⁹ See <https://jorditorres.org/research-teaching/research-projects/>

¹⁴⁰ See <https://jorditorres.org/research-teaching/research-group/>

¹⁴¹ See <https://www.bsc.es>

currently a Board Member of iThinkUPC¹⁴² & UPCnet, and acts as a trainer, mentor and expert¹⁴³ for various organizations and companies; In turn, he has also written several technical books¹⁴⁴, gives lectures¹⁴⁵ and has collaborated with different media¹⁴⁶, radio and television¹⁴⁷. He has maintained his blog since 2006¹⁴⁸. You can find more information at <https://www.JordiTorres.org>.

¹⁴² See <https://www.ithinkupc.com/es>

¹⁴³ See <https://jorditorres.org/speaking-media/expert-advisor-consultant/>

¹⁴⁴ See <https://jorditorres.org/speaking-media/writer/>

¹⁴⁵ See <https://jorditorres.org/conferencias/>

¹⁴⁶ See <https://jorditorres.org/speaking-media/press-articles/>

¹⁴⁷ See <https://jorditorres.org/speaking-media/radio-tv/>

¹⁴⁸ See <https://jorditorres.org/blog/>

About Barcelona Supercomputing Center (BSC)

The Barcelona Supercomputing Center - Centro Nacional de Supercomputación (BSC-CNS) is the leading supercomputing center in Spain. It houses MareNostrum, one of the most powerful supercomputers in Europe, and is a hosting member of the PRACE European distributed supercomputing infrastructure. The mission of BSC is to research, develop and manage information technologies in order to facilitate scientific progress. BSC combines HPC service provision and R&D into both computer and computational science (life, earth and engineering sciences) under one roof, and currently has over 500 staff from 44 countries. More information on page www.bsc.es

About Universitat Politècnica de Catalunya Barcelona Tech (UPC)

The Universitat Politècnica de Catalunya · BarcelonaTech (UPC) is a public institution dedicated to higher education and research, specialised in the fields of engineering, architecture and science. The activity that goes on at UPC campuses and schools has made the University a benchmark institution. Currently has 23,369 bachelor's students, 2,157 doctoral degree students, 5,338 master's degree students, 2,775 lifelong learning students and 5,068 staff members. The University harnesses the potential of basic and applied research, and transfers technology and knowledge to society. As a leading member of international networks of excellence, the UPC has a privileged relationship with global scientific and educational organisations. More information on page www.upc.edu

About Facultat d'Informàtica de Barcelona (FIB)

The *Facultat d'Informàtica de Barcelona* (Barcelona School of Informatics) is the reference center for computer studies since its inception in 1976, and the beginning of the educational activities during 1977-1978. Throughout these 40 years, the faculty has been in charge of the bachelor's degree, diploma courses, technical engineering and master degrees and currently, the formal qualifications in the field of Computer Science and related subjects. The *Facultat d'Informàtica de Barcelona*, in addition to bet on a solid scientific basis that will be useful throughout the professional career, promotes the professional skills essential in the labor market. That is why the faculty provides the students with teaching laboratories with the most modern equipment and classrooms with the latest technologies to support the most modern teaching methodologies. The agreements with companies and top research centers help to ensure almost full employment of the graduates. Therefore, the Bachelor and Master degrees of the *Facultat d'Informàtica de Barcelona* are accredited by the most prestigious international committees and the faculty has been recognized with several awards for quality and innovation in teaching. More information on page www.fib.upc.edu