

RECOMMENDATION LETTER DR. JAVIER A. ESPINOSA-OVIEDO

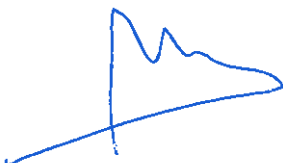
Dr. Javier A. Espinosa-Oviedo is a computer scientist that has developed his research around large scale data management and processing. During 2015-2017, he worked as postdoctoral researcher at the Barcelona Supercomputing Centre (BSC) financially supported by the Mexican Council of Science and Technology via a postdoctoral fellowship. His research concerned the "Collection and processing of big data in real-time for visualizing crowds in 3D urban spaces" in the context of the activities of the Extream Computing Team of our centre. The challenge was to provide ad-hoc data management to greedy processes (e.g., 3D visualisation) running on high performance computing architectures.

I am the Director of the Barcelona Supercomputing Center (<http://www.bsc.es/cv-mateo/>). My research focuses on high performance architectures. I have published approximately 700 papers, have served in the organization of more than 300 International Conferences and have given more than 500 invited talks. I have been honoured with several awards, among them the 3 most relevant awards in Computer Architecture field: the Eckert-Mauchly Award 2007 by the IEEE and ACM; Seymour Cray Award 2015 by IEEE; Charles Babbage 2017 by IEEE; Harry Goode Award 2009 by IEEE; the Spanish National awards "Julio Rey Pastor" and "Leonardo Torres Quevedo". "Hall of the Fame" member of the ICT European Program (selected as one of the 25 most influents European researchers in IT during the period 1983-2008. Lyon, November 2008); Honoured with "Condecoración de la Orden Mexicana del Águila Azteca" 2018, highest recognition granted by the Mexican Government. I am Honorary Doctorate by 9 Universities. I am member of 9 academies. I am a fellow of IEEE and ACM and I am also Intel Distinguished Research Fellow.

During his postdoctoral position at BSC, Dr. Espinosa-Oviedo was actively engaged in scientific activities that led to the publication and presentation of articles in international forums and preparation of grant proposals and implementation of software prototypes in the context of research projects of the BSC. Besides his scientific duties, Dr. Espinosa-Oviedo also performed teaching and dissemination activities organized by the BSC's Education and Training department. These activities were done in collaboration with other BSC researchers in different teams, and also in the context of an international collaboration with Mexico that he promoted with the Computer Science Department of Universidad Autónoma de Guadalajara.

Dr. Javier A. Espinosa-Oviedo professional qualities made of him a valuable asset, and from the above one can realize that I fully support his application for any scientific and academic position. I believe his personal qualities will also contribute to the excellent development of the institution that will hire him.

Sincerely,



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