Director of the Barcelona Supercomputing Center. His research focuses on high performance architectures. He has published approximately 700 papers, has served in the organization of more than 300 International Conferences and he has given more than 600 invited talks. Prof. Valero has been honored with several awards, among them the 3 most relevant awards in Computer Architecture field: The Eckert-Mauchly Award 2007 by the IEEE and ACM, the Seymour Cray Award 2015 by IEEE and the Charles Babbage 2017 by IEEE. Among others: The Harry Goode Award 2009 by IEEE, The Distinguish Service Award by ACM and 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). In 2020 he has been awarded for his exceptional leadership in HPC by "HPCWire Reader's Choice Awards" for "being an HPC pioneer since 1990 and the driving force behind the renaissance of European HPC independence".

Honored with "Condecoración de la Orden Mexicana del Águila Azteca" 2018, highest recognition granted by the Mexican Government. He is Honorary Doctorate by 10 Universities. He is member of 9 academies. He is a fellow of IEEE and ACM, and Fellow of AAIA, Asia-Pacific Artificial Intelligence Association. In 1998 he won a "Favourite Son" Award of his home town, Alfamén (Zaragoza) and in 2006, his native town of Alfamén named their Public College after him.

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