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Alberto received the M.Sc. degree in computer science from Carlos III University of Madrid, Spain, in 2005 and the Ph.D. degree in computer science from the same university, in 2011. He is currently Associate Professor with the Software Systems and Computation Department, Complutense University of Madrid, Spain.

During the first 6 years of his research activity, his main line of research has been focused on the modelling and simulation of distributed systems. In the last 8 years, his main line of research has been the formal modelling of distributed systems, as well as applying testing techniques, such as metamorphic testing and mutation testing, in cloud computing systems.

Alberto has published 17 articles in indexed international journals in JCR (Journal Citation Reports) of Thomson Reuters and 28 contributions in international conferences with peer review. Alberto has supervised three doctoral theses, presented in 2015, 2017 and 2020, focused on energy modelling in cloud systems, software product lines, and testing cloud systems, respectively.

In 2009, Alberto won the IBM Ph.D. Fellowship. Currently, Alberto has published a patent, titled "Bitmap compression for fast searches and updates". This patent, with code US 8,989,507 B2, has been subsidized by the company IBM Research.

During his research career Alberto has participated in various research projects, 14 competitive projects supported by public entities and 1 project funded by technology companies through article 83 contracts and with an important component of technology transfer.

Alberto has participated in the organization of two international conferences. In particular, he has been a track chair at 30th Annual ACM Symposium On Applied Computing (SAC), Track at Service-Oriented Architectures and Programming (SOAP'15) and Special Session and Workshops chair at 7th International Conference on Computational Collective Intelligence Technologies and Applications (ICCCI '15). In addition, Alberto has been a member of the program committee of 11 international conferences.