

Education

2015–present	University of Illinois at Urbana-Champaign , Urbana, IL Ph.D. Computer Science Advisor: Professor Josep Torrellas Area: Computer Architecture, Parallel Computing, Systems
2011–2015	Polytechnic University of Valencia (UPV) , Spain B.S. Telecommunications Engineering, GPA: 8.9/10, Ranking: 2nd Thesis: Numerical methods for nonlinear modeling (Grade: 10/10) Advisors: Professors Juan Ramón Torregrosa and Alicia Cordero Overseas studies: Norwegian University of Science and Technology (NTNU), Fall 2014

Awards and Honors

2015	Award for the second-best academic record , Class of 2015 School of Telecommunications Engineering, UPV
2015	Undergraduate thesis Distinction (highest grade with honors) School of Telecommunications Engineering, UPV

Research Interests

Computer architecture, network on chip, extremely high frequency wireless communications, multi-core and parallel architectures, programmability of parallel systems, computational mathematics

Research Experience

2015–present	Graduate Research Assistant , i-acoma group, UIUC Area: Computer Architecture Topic: Application of extremely high frequency wireless on-chip communications in massive multi-core architectures Advisor: Professor Josep Torrellas
2013–2015	Undergraduate Research Assistant , UPV Area: Computational Mathematics Topic: Design of new fast-convergence (high-order) iterative methods for obtaining the roots of a nonlinear system of equations Advisors: Professors Juan Ramón Torregrosa and Alicia Cordero

Publications

May 2016	Alicia Cordero, Antonio Franques and J.R. Torregrosa, “ <i>Chaos and Convergence of a family generalizing Homeier’s method with damping parameters</i> ”, Nonlinear Dynamics, doi: 10.1007/s11071-016-2807-0.
June 2015	Alicia Cordero, Antonio Franques and J.R. Torregrosa, “ <i>Multidimensional Homeier’s generalized class and its application to planar 1D Bratu problem</i> ”, SeMA Journal, doi: 10.1007/s40324-015-0037.
May 2015	Alicia Cordero, Antonio Franques and J.R. Torregrosa, “ <i>Numerical solution of turbulence problems by solving Burgers’ equation</i> ”, Algorithms 8 (2015) 224-233, doi: 10.3390/a8020224.
Sept. 2014	Alicia Cordero, L. Feng, Antonio Franques and J.R. Torregrosa, “ <i>Stability of a Fourth-Order Family of Iterative Methods for Solving Nonlinear Problems</i> ”, Proceedings of the Ninth International Conference on Engineering Computational Technology, Naples, Italy, doi:10.4203/ccp.105.33.