



Academic education

- 1984 PhD Thesis and Doctorate degree in Computer Science, Polytechnical University of Catalunya, Spain
Supervisor: Prof. Fernando Orejas Valdés
- 1972 Master and Bachelor Degree in Physics, Complutense University of Madrid, Spain

Professional record

- 2019 – today Emeritus Full Professor, Complutense University of Madrid
- 2002 – 2019 Full Professor, Complutense University of Madrid
- 1991 – 2002 Associate Professor, Complutense University of Madrid
- 1984 – 1991 Associate Professor, Polytechnical University of Catalunya
- 1972 – 1984 Project leader in companies in the areas of telecommunication and computer aided design

Research lines

Formal methods, concurrent program verification, parallel functional programming, static analysis, proof carrying code, computer assisted verification, automated test case generation.

Key figures:

- Number of publications in journals (DBLP): 14
- Number of publications in refereed conference proceedings and book collections (DBLP): 51
- Number of proceeding editorship (DBLP): 9
- Number of text and scientific divulgation books: 5
- Number of citations (Google scholar): 1.431
- H-index (Google scholar): 21

Supervision of PhD students

- Javier de Dios Castro (January 2012) Formal Certification of Functional Programs.
- Manuel Montenegro Montes (November 2011) Safety and Bounded Memory Analyses in a Functional Language.
- Clara María Segura Díaz (November 2001) Program Analysis of Parallel Functional Languages.
- Fernando Rubio Diez (November 2001) Efficient Parallel Functional Programming.
- Luis María Alonso González (October 1992) Formal Methods for Hierarchical Development of Concurrent Systems.

Conference PC chair

- Foundational and Practical Aspects of Resource Analysis, FOPARA 2013, Bertinoro (Italia)
- Trends on Functional Programming, TFP 2011, Madrid (España)
- Foundational and Practical Aspects of Resource Analysis, FOPARA 2011, Madrid (España)
- Practical Aspects of Declarative Languages, PADL 2010, Madrid (España)
- Implementation of Functional Languages, IFL 2002, Madrid (España)

Research projects as Main Researcher

- Spanish National Plan competitive Projects: Computer Assisted Validation CAVI-ART-2 (TIN2017-86217-R, 2018-20); Computer Assisted Validation CAVI-ART (TIN2013-44742-C4-3-R, 2014-17); Proof Carrying Code SELF-UCM (TIN2004-07943-C04-04, 2004-07); Parallel Functional Programming (TIC2000-0738, 2001-03); Eden: Development of a Functional-Concurrent Language (TIC97-0672, 1997-00).
- Madrid Regional competitive projects: Proof Carrying Code (GR85/06, 2007); Eden: Development of a Functional-Concurrent Language (06T/033 /96, 1997-99).