

Iñaki Silanes Cristóbal

Curriculum Vitæ



Date of birth: 1977-06-11

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Academic training

- **PhD in Theoretical and Computational Chemistry** (UPV/EHU 2006)
Doctoral dissertation: *Ethylene Polymerization by Group IV Transition Metal Metallocenes*

Professional experience

- **Position:** Software Developer in Control and Evaluation (September 2018 – September 2020)
Center: Lortek
- **Position:** Manager of Supercomputing Resources (May 2010 – August 2018)
Center: Instituto de Hidráulica Ambiental de Cantabria (IHCantabria)
- **Position:** Researcher under contract (November 2009 – April 2010)
Center: Instituto de Física de Cantabria (IFCA) / CSIC
- **Position:** JAE-Doc post-doctoral researcher (March 2008 – October 2008)
Center: Donostia International Physics Center (DIPC)
- **Position:** Researcher under contract (January 2007 – March 2008)
Center: Donostia International Physics Center (DIPC)

Languages

- **Spanish:** Native.
- **Basque:** Native. *Euskararen Gaitasun Agiria* (EGA)
- **English** High level. *Cambridge Advanced Exam* (C1)

Areas of expertise

- Ample use of **Python** in **scientific environments** (NetCDF4, NumPy, Scipy) and **web development** (Django, Flask). Unit testing (`unittest`), style enforcint (Flake8) and complexity analysis (Radon).
- Vast experience as a manager of **Linux** systems, ranging from single desktops to a 1200-core cluster with dozens of users. Advanced knowledge of shell scripting (bash, zsh). Mastery of popular free software tools such as vim, \LaTeX , tmux, cron, etc.

Other

- 163 problems solved at **projecteuler.net**.
- 3 kyu at **codewars.com** (top 6.6%).
- Participation in 16 international scientific congresses (3 talks, 7 posters and 6 attendances)
- 17 articles in peer-reviewed international scientific journals, and collaboration on 1 book with ISBN.
- Kutxa Bachelor Degree Prize (2000)
- Outstanding High School Performance Prize (1995)
- B1 driving license