

- *2011 - 2012*, exchange student of Physics and Mathematics, University of Geneva, Geneva, Switzerland.
- *2010 - 2011*, exchange student of Physics and Mathematics, Georg-August University of Göttingen, Göttingen, Germany.
- *2008 - 2010*, Bachelor in Physics and Bachelor in Mathematics, Autonomous University of Barcelona, Barcelona, Spain.

Elementary education (*1993 - 2008*)

- *2006 - 2008*, Sant Ermengol High School, Escaldes-Engordany, Principality of Andorra.
- *1993 - 2006*, Anna Maria Janer Ground School, Andorra la Vella, Principality of Andorra.

PUBLICATIONS

- [1] A. Gallo, A. Irmeler, and A. Grüneis, “Atrip: An asynchronous high-performant massive-parallel CCSD(T) implementation,” *Manuscript in Preparation*, 2021.
- [2] F. Salihbegović, A. Gallo, and A. Grüneis, “Coupled cluster theory for the ground and excited states of two dimensional quantum dots,” 2021. eprint: 2111.06203v1.
- [3] T. Schäfer, A. Gallo, A. Irmeler, F. Hummel, and A. Grüneis, “Surface science using coupled cluster theory via local wannier functions and in-rpa-embedding: The case of water on graphitic carbon nitride,” 2021. eprint: 2110.06035v3.
- [4] A. Irmeler, A. Gallo, and A. Grüneis, “Focal-point approach with pair-specific cusp correction for coupled-cluster theory,” en, *The Journal of Chemical Physics*, vol. 154, p. 234 103, 23 Jun. 17, 2021, ISSN: 0021-9606. DOI: 10.1063/5.0050054.
- [5] A. Gallo, F. Hummel, A. Irmeler, and A. Grüneis, “A periodic equation-of-motion coupled-cluster implementation applied to f-centers in alkaline earth oxides,” en, *The Journal of Chemical Physics*, vol. 154, p. 064 106, 6 Feb. 2021. DOI: 10.1063/5.0035425.
- [6] A. Irmeler, A. Gallo, F. Hummel, and A. Grüneis, “Duality of ring and ladder diagrams and its importance for many-electron perturbation theories,” en, *Physical Review Letters*, vol. 123, 15 Oct. 2019. DOI: 10.1103/physrevlett.123.156401.
- [7] M. Pfender, N. Aslam, P. Simon, D. Antonov, G. Thiering, S. Burk, F. Fávaro de Oliveira, A. Denisenko, H. Fedder, J. Meijer, J. A. Garrido, A. Gali, T. Teraji, J. Isoya, M. W. Doherty, A. Alkauskas, A. Gallo, A. Grüneis, P. Neumann, and J. Wrachtrup, “Protecting a diamond quantum memory by charge state control,” en, *Nano Letters*, vol. 17, pp. 5931–5937, 10 Sep. 2017. DOI: 10.1021/acs.nanolett.7b01796.
- [8] A. Gallo, “Ab initio studies of vacancy-impurity complexes in cubic and hexagonal diamond,” 2016, Master thesis.
- [9] —, “On the joint-measurability of observables,” 2014. DOI: 10.5281/zenodo.4276451.

INFORMATICS

Operating systems GNU/Linux, macOS, freeBSD, NixOS.

First languages C++{11, 14, 17}, Python{2*, 3*}, Haskell, Common Lisp, C{ansi, 99, 11}, Raku, Rust, Bash, POSIX-Shell.

Other languages Fortran{77, 95}, Emacs Lisp, Purescript, clojure, Scheme, Racket, Guile, NixLang, Maxima (both lisp and M-expressions), Makefile, Javascript, NodeJS, Go2, PHP, Perl5, SQL, Dhall, Asymptote, Swift, ruby, openSCAD, povray, vimscript, awk, sed, m4, PostScript, AVR assembly, X86 assembly

Misc and tools L^AT_EX, Scribble, tikz, git, git-annex, autotools, cmake, MPI, OpenMP, POSIX-threads, gdb, gperf, bison, yacc, meson, JQuery, HTML, CSS, Emacs, vim, unit testing, XMonad, Kicad.

Embedded Systems Atmel μ controllers, Basic Xilinx FPGA, Arduino IDE.

Papis I am the author and main developer of *papis*, a highly extensible bibliography manager. We have managed to form a community around the project, which has shown me how to interact in a diligent way with different developers around the globe with different backgrounds. github doi:10.5281/zenodo.3514724