

Simone Vacondio, Ph.D. (he/him)

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Website: www.vacondio.io

- EXPERIENCE** *Researcher in Condensed Matter Physics* 2019 - 2024
University of Modena and Reggio Emilia, Italy
CNR-Istituto Nanoscienze, Centro S3, Italy
- Research in a field of technological interest (transistors, batteries, photovoltaics)
 - Strong skills in problem solving, coding, scientific writing
 - Numerous participations in international workshops and conferences
 - Three-month period abroad in Paris (École Polytechnique)
- Internship* Summer 2016
Istituto Nazionale di Oceanografia e Geofisica Sperimentale (OGS), Trieste (Italy)
- Profiling and optimization of Fortran code
- EDUCATION** *PhD, Physics and Nanosciences* 2023
University of Modena and Reggio Emilia, Italy
- Master of Science, Physics* 2018
University of Modena and Reggio Emilia, Italy
- Bachelor of Science, Physics* 2016
University of Modena and Reggio Emilia, Italy
- LINGUISTIC PROFICIENCY** *Italian:* Mother tongue
English: Advanced
Spanish: Basic
French: Basic
- COMPUTER SKILLS** *Languages & Software:* Fortran (+MPI+OpenMP), Python, Bash, C/C++, Perl, HTML, git
Operating Systems: GNU/Linux, Microsoft Windows
- SELECTED PUBLICATIONS**
 - S. Vacondio, D. Varsano, A. Ruini, A. Ferretti, *Going beyond the GW approximation using the time-dependent Hartree-Fock vertex*, J. Chem. Theory Comput. 20, 4718 (2024)
 - S. Vacondio, D. Varsano, A. Ruini, A. Ferretti, *Numerically precise benchmark of many-body self-energies on spherical atoms*, J. Chem. Theory Comput. 18, 3703 (2022)
- EXTRA-CURRICULAR ACTIVITIES** Maintains own website
Occasionally acts in stage plays held in local theaters
Plans to resume (digital) painting sooner or later