

Europass Curriculum Vitae

Personal information

Surname(s) / First name(s)

Email(s)

Giovannini Tommaso

tommaso.giovannini@sns.it

Education and training

Dates

2015-now

PhD program in Methods and Models for Molecular Sciences, Scuola Normale Superiore, Pisa, Italy

Supervisor

Professor Chiara Cappelli

Thesis project

Theoretical and Computational Models for the Study of Supramolecular Chiral Aggregates.

Dates

2013-2015

Title of qualification awarded

Master Degree program in Physical Chemistry, University of Pisa, Italy

Valutation

110/110 cum laude

Supervisor

Professor Chiara Cappelli

Thesis project

A fully polarizable QM/MM model for mixed nuclear/electric/magnetic properties of large systems in condensed phase.

Dates

2010-2013

Title of qualification awarded

Bachelor Degree in Chemical Science, University of Pisa, Italy

Valutation

110/110 cum laude

Supervisor

Professor Chiara Cappelli

Thesis

Development of theoretical and computational methods for the accurate evaluation of the linear response to an electric field of organic molecules in solution

Dates

2010-2015

Allievo Ordinario, Scuola Normale Superiore, Pisa, Italy

Dates

2005-2010

Title of qualification awarded

High School Degree, Liceo Classico G.Galilei, Poppi (AR), Italy

Valutation

100/100

Professional experience

Dates

September 5-10 2016

Collaboration with orientation office, Scuola Normale Superiore, Pisa, Italy

Partecipation to orientation courses for high-school students as tutor.

Dates

January 25-29 2016

Assistant teaching, Smart Winter School, Scuola Normale Superiore, Pisa, Italy

Dates

March - October 2014

Collaboration with orientation office, Scuola Normale Superiore, Pisa, Italy

Organization of orientation week, selection of high school students, partecipacion to orientation courses as mini-tutor.

Personal skills and competences

Mother tongue(s)

Other language(s)

*Self-assessment
European level^(*)*

English
French

Computer skills and competences

Additional information

Publications

F. EGIDI, T. GIOVANNINI, M. PICCARDO, J. BLOINO, C. CAPPELLI, V. BARONE, Stereo-electronic, Vibrational, and Environmental Contributions to Polarizabilities of Large Molecular Systems: A Feasible Anharmonic Protocol. *J. Chem. Theory Comput.*, **2014**, 10, 2456-2464

L. VIDAL, T. GIOVANNINI, C. CAPPELLI, Can the Resonance Raman Optical Activity Spectrum Display Sign Alternation? *J. Phys. Chem. Lett.*, **2016**, 7, 3585–3590

T. GIOVANNINI, M. OLSZÓWKA, C. CAPPELLI, Effective Fully Polarizable QM/MM Approach To Model Vibrational Circular Dichroism Spectra of Systems in Aqueous Solution. *J. Chem. Theory Comput.*, **2016**, DOI: 10.1021/acs.jctc.6b00768

Posters

T. GIOVANNINI, C. CAPPELLI, A Mixed Explicit-Implicit Strategy for the Calculation of the VCD spectrum of (R)-Methyloxirane in Aqueous Solution, International Workshop "Year of Light 2015: the chemical point of view", Pisa, Italy, February 9-10 2015

T. GIOVANNINI, C. CAPPELLI, Analytical third derivatives for a fully polarizable QM/classical Hamiltonian, European Summerschool of Quantum Chemistry, Palermo, Italy, September 6-19 2015

T. GIOVANNINI, M. OLSZÓWKA, C. CAPPELLI, A mixed explicit-implicit strategy for the calculation of VCD spectra, III Congresso Divisione Chimica Teorica e Computazionale della SCI, Roma, Italy, December 14-16 2015

M. OLSZÓWKA, T. GIOVANNINI, C. CAPPELLI, Analytical third derivatives for a fully polarizable QM/classical Hamiltonian, III Congresso Divisione Chimica Teorica e Computazionale SCI, Roma, Italy, December 14-16 2015

M. OLSZÓWKA, T. GIOVANNINI, C. CAPPELLI, A fully polarizable QM/MM/PCM approach to modeling Vibrational Circular Dichroism and Raman Optical Activity, IV Congresso Divisione Chimica Teorica e Computazionale della SCI, Pisa, Italy, October 3-5 2016

Oral Presentations in International Congress

T. GIOVANNINI, C. CAPPELLI, Theoretical Models and Computational Tools for Solvent Effects on Chiroptical Properties and Spectroscopies, Chiritaly, Catania, Italy, September 3-5 2016

Italian

English, French

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2
B1	B1	B1	B1	B1

^(*) Common European Framework of Reference (CEF) level

Computer Programming: Fortran 77/95, Python, Bash, Gaussian development. Graphics: Gnuplot, Inkscape. Editor: Latex, Office

	T.GIOVANNINI, C.CAPPELLI, A Quantum-Mechanical approach to Raman Optical Activity to model solvent and resonance effects, Chiritaly, Italian Meeting on Raman Spectroscopies and Non Linear Optical Effects, Padova, Italy, September 14-16 2016
	T.GIOVANNINI, L. VIDAL, C.CAPPELLI, Can The Resonance Raman Optical Activity Spectrum Display Sign Alternation? IV Congresso Divisione Chimica Teorica e Computazionale della SCI, Pisa, Italy, October 3-5 2016
Schools	Euroean Summerschool of Quantum Chemistry 2015, Palermo, Italy Molecular Response Properties Winter School 2016, Toulouse, France
Personal Interests	Wine Sommelier Qualification, FISAR, June 2015