

CURRICULUM VITAE

FRANCO RUZZENENTI

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PERSONAL DETAILS

Gender: Male
Date of birth: 20th of March, 1975
Place of birth: Brescia, Italy
Marital status: Single
Present Citizenship: Italian

EDUCATION

10/1996–09/2001 Undergraduate Studies in Environmental Economics at the University of Siena, Italy Specialization: Environmental Economics, Energy Economics and Econometrics

10/2002–06/2003 Associate Student at Oxford Brookes University, U.K. Exams taken: Introductory Chemistry (inorganic chemistry) (A), Chemistry of Cells Constituents (organic chemistry) (A), Diversity (general biology) (B). Energy Chemistry (B) , Introduction to the Biology of Cells (B+).

10/2003–06/2004 Master Program (IFTS) on energy management, University of Siena, Italy. University of Siena– (RT20040483) – European qualification level: IV.c

10/2003–10/2006 PhD student, University of Siena, Department of Chemistry and Center for Complex Systems Investigation. Research Program: interactions between efficiency and complexity in thermodynamic systems.

01/2006–06/2006 Visiting Scholar (Visa J1, Program in Energy Studies) at Emory University, Georgia, USA. Courses attended: MATH

212, Differential Equations, PHYSICS 142, Introductory Physics 2 (Waves, Electricity, Electromagnetism), PHYSICS 380, Introductory Thermal Physics (Thermodynamics, Statistical Mechanics)

10/2012–12/2012 Visiting Scholar at Lorentz Institute for Theoretical Physics Leiden Institute of Physics, University of Leiden; research program: spatial effects in networks

06/2013–present Reserach fellowship within an European project on the relationship between Finance, Economy and Environment (<http://fessud.eu/>), at the Department of Economics and Statistics, University of Siena, Italy.

Since 2009 Part time student in Physics, University of Siena.

WORKING EXPERIENCE

02/2002–06/2003 Sue Chef and Chef de Partie in *Cafe rouge*, Oxford –UK and in *Fishers*, Oxford –UK.

02/2004–07/2004 Energy consulting: The shift from a public energy supplier to a free market supplying scheme with the consortium C.E.T.

02/2004–07/2005 Chef de Partie in *Antico detto*, Vagliagli (SI) –Italy.

01/2007–12/2007 Research Fellowship on energy conservation planning in the public administration, at the Center of Complex System Investigation, University of Siena.

06/2007–07/2007 Consultancy for Florence Energy Agency in developing an energy report for the public administration of the province of Florence

10/2007–01/2008 Project fellowship at the University of Siena aimed to develop an energy–economic evaluation scheme of the Solar Technology applied to the University of Siena.

01/2008-12/2011 Postdoctoral research internship in *Energy Efficiency and Complex Systems' evolution* at the University of Siena, Chemistry Department and Junior Researcher at the Center for the Studies of Complex Systems in Siena–Italy.

Since 10/2010 Climbing instructor (part-time), FASI.

17/01/2012–17/01/2013 Internship at the Department of Energetics of the University of Florence aimed at developing a small size Geothermal-solar combined ORC power plant.

TEACHING EXPERIENCE

01/2004–01/2004 A 24 hours module on Introduction to Economics, Professional Course on *quality auditing*, University of Siena and Massa Carrara Council.

01/2005–01/2005 A 30 hours module on Sustainable Development, Professional Course on *environmental auditing* for graduated students, University of Siena.

01/2006–01/2006 A 20 hours module in Energy Accounting, Professional Course on *Energy Management*. University of Siena and Council of Livorno.

06/2006–06/2006 A 10 hours module in Energy Economics, Professional Course on *Environmental Auditing*. University of Siena and Council of Grosseto.

07/2006–07/2006 A 10 hours module in Buildings Energy Auditing, Professional Course on *Environmental Auditing*. University of Siena.

02/2007–02/2007 A 10 hours module in Energy auditing and resources optimization *Ris.E: Corso per tecnico del risparmio energetico*, promoted by *Agenzia per lo Sviluppo Empolese Valdelsa*.

Since 09/2010 8 hours module on *European energy policy* in European Policy and Institutions cours; IES, Siena – American study abroad program.

RESEARCH INTERESTS AND EXPERTISE

Interests: Energetics, Rebound Effect, Energy Efficiency, Evolutionary Thermodynamics, Network Theory, Statistical Mechanics of Networks, Energy Markets.
Expertise: Energy Conservation Policy, Energy Auditing, Energy Planning.

LANGUAGE KNOWLEDGE

Italian	native
English	good
	7 aver. IELTS test (year 2002);
	267/300 TOEFL (year 2004);
Spanish	spoken
Portuguese	spoken

Latex	sufficient
Mathematica (Wolfram)	good
Autocad	basic
Energy auditin software (EDILICLIMA)	basic

SOFTWARE SKILLS

INTERESTS AND PASSIONS

Climbing mountains, listening to music – Tchaikovsky, Miles Davis and Vinicius de Moraes, watching silent movies and reading Melville and Russian literature. Inspiring characters: Boltzmann, Pasolini, Charlie Chaplin and the voice of Nina Simone.

REFERENCES

These persons are familiar with my professional qualifications and my character:

Prof. Riccardo Basosi

Prof. Diego Garlaschelli

Prof. Giampaolo Gabbi

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ATTACHMENTS

List of Publications