

## Fabio Ricci

## curriculum vitae et studiorum

L'Aquila University  
Physics Department  
Via Vetoio 10, I-67100  
Coppito, L'Aquila (ITALY)

Mobile: + (39) 3204446786  
Email: [fabio.ricci@aquila.infn.it](mailto:fabio.ricci@aquila.infn.it)  
Homepage: [www.fabioricci.net](http://www.fabioricci.net)

## Personal informations

Born in Teramo (Italy) on the 28th August 1980. Residing in Teramo, Via Felice Barnabei, 26 - 64100 Teramo (Italy).

## Education

PhD in Physics obtained at L'Aquila University, course of study: condensed matter physics. Dissertation title: "Theoretical and experimental study of magnetic materials for spintronic applications".

Second degree in physics at L'Aquila University, course of study: structure of matter, with votation 106/110. Graduation thesis: "Calcolo a principi primi delle propriet  magnetico-ottiche di film in materiali magnetici d'interesse in spintronica" ("First principles calculations of magneto-optical properties of magnetic films for spintronic interests").

Primary degree in physics at L'Aquila University. Graduation thesis: "Studio degli spettri magnetico-ottici e dei cicli di isteresi di film, con possibili applicazioni nel campo della spintronica" ("Magneto-optical films spectra and hysteresis cycles study for possible spintronic applications").

School-leaving certificate on the 5th July 1999.

## Experience

*04/02/2012 - today*

Post-doc at L'Aquila University with project: "First principles modeling of Fe-based superconductors", with supervisor Doc. Gianni Profeta.

*09/26/2011 - 09/30/2011*

Participation to the Italian Physics Society (SIF) National Meeting, with oral presentation title: "Magneto-optical properties of uniaxial crystals".

*03/06/2011 - 06/06/2011*

Teaching job (2 hours/week) in the "Microfisica Quantistica" course (Docente Prof. Carlo Pierleoni) for the primary degree on physics at L'Aquila University.

*03/01/2011 - 03/01/2012*

Post-doc at L'Aquila University with project: "Characterization and experimental modeling of magnetic multilayered structures", with supervisor Doc. Franco D'Orazio.

*02/23/2011 - 02/25/2011*

Participation to the Convegno Italiano di Magnetismo, Magnet 2011, with oral presentation within title: "Optical and magneto-optical properties of strained  $\text{Fe}_{0.5}\text{Co}_{0.5}$  alloy".

*01/10/2011 - 02/19/2011*

Temporary teaching job at high school Istituto Tecnico e Professionale "U. Follador" (Belluno) in physics and laboratories.

*12/13/2010 - 12/23/2010*

Temporary teaching job at high school Istituto Magistrale "G. Renier", Agordo (Belluno) in mathematics.

*11/19/2010 - 12/02/2010*

Collaboration with the Milan University, invited by Giovanni Onida professor. Seminar delivered: "Magneto-optical effects: a theoretical and experimental point of view in layered and inhomogeneous media" the 25 November 2010.

*7/6/2010 - 7/9/2010*

Participation at the course "Technical and scientific calculation within Fortran95" at CASPUR in via dei Tizii, 2/c Roma (RM).

*3/4/2010 - 9/4/2010*

Post-doc grant at L'Aquila University with title project: "Theoretical and experimental study of multilayers for spintronic applications" with Doc. Franco D'Orazio as supervisor.

*9/5/2009 - 11/29/2009*

Collaboration on research problems at Northwestern University, 2145 Sheridan Road - Evanston, IL 60208-3112 USA under the supervision of Prof. A. J. Freeman, Morrison Professor of Physics and Dr. Jung-Hwan Song, Department of Physics.

*5/7/2008 - Today*

Tour guide in the physics and astrophysics museum "Galileium" in Teramo.

*11/1/2006 - Today*

PhD at L'Aquila University (deadline: November 2009).

*10/2/2006 - 11/1/2006*

Apprenticeship at the Regional Agency for the ambient protection (A.R.T.A.), as physicist, under the guide of Dr. C. Cimoroni. Activities: study of pollution from non-ionizing electromagnetic radiation and acoustic phenomena.

*11/8/2005 - 01/09/2011*

Teaching of physics and mathematics for high school and university students at CEPU (European Center of university studies).

*1/15/2005 - 6/15/2005*

Winner of assistant position to the course "Laboratorio di Introduzione alla Fisica" (Physics introduction laboratory) at L'Aquila University. Activities: didactic innovation methods, laboratory experiences projection, degree in physics web-site ideation.

*9/15/2004 - 6/30/2005*

Teaching of physics and mathematics for high school and university students at G. Cameli institute; laboratory activities with students.

*5/5/2003 - 7/31/2004*

Collaboration at "Graphite Technologies S.p.A" factory: production of carbon elements for submarine pump systems. Activities: assistant at chemical laboratory and quality of processes responsible.

*10/10/2002 - 6/30/2003*

Teaching of physics and mathematics for high school and univertitary students at “G. Cameli” insitute.

### *Publications*

F. Ricci *et al.*, Phys. Rev. B **76** , 014425 (2007).

F. Ricci *et al.*, Phys. Rev. B **78** , 134411 (2008).

F. Ricci *et al.*, J. Phys.: Conf. Ser. **200**, 072079 (2010).

F. Ricci *et al.*, Phys. Rev. B **83**, 224421 (2011).

### *Grants and fellowships*

*1 July 2008*

Partecipation to the workshop on “Structural, Electronic and Magnetic Properties of Diluted Magnetic Semiconductors (DMSs)”, CRN, Rome (Italy).

*11-18 October 2008*

INFN School on “Physics in Low Dimensions”, Lucca (Italy).

*15-30 May 2008*

School on superconductors and functional oxides, Marina di Pisciotta (Italy).

*3-5 June 2009*

Lecturer in the IX Convegno Nazionale sui Materiali Nanofasici, Iglesias (Italy).

*26-31 July 2009*

Partecipation to the International Conference on Magnetism 2009

## **Skills and Qualifications**

Advanced knowledge of Unix and Linux operating systems.

Advanced knowledge of Fortan programming code.

Good knowledge of other programming languages: C, C++, Html, CSS.

Good knowledge of English language; fluent in French.