

Name: RUGGERO

Surname: VOLPONI

Date and Place of birth: 22 March 1975 Ascoli Piceno (Italy)

Address: Via Appia Km 199.6 c.a.p. 81041 Vitulazio (CE) (Italy)

CONTACTS:

- Email: r.volponi@cira.it
- Research Center web: <http://www.cira.it>
- Personal web: <http://www.volponi.tk>
- Personal mobile phone: +393386968543

EDUCATIONAL HISTORY

- 1994 Upper School Living Certificate, got at the LICEO SCIENTIFICO "A. ORSINI" of Ascoli Piceno with a grade of 50/60
- 2003 Degree in Physics, got at University of Perugia with a grade of 110/110.
I discussed a work of graduation thesis on "Experimental study of validity of fluctuation and dissipation theorem (F.D.T)":
That work was awarded as best thesis of the year on materials sciences.
- 2005 Diploma of specialization school for teaching in the secondary school
- 2005 English course: Upper Intermediate level in the Galway Cultural Institute in Galway, Ireland.

EMPLOYMENT HISTORY

- Since December 2006 I'm a Researcher at C.I.R.A. (Italian Aerospace Research Center), employed in the Te.M.A. Group (Advanced Materials and Diagnostics Techniques)
- From 2005 to December 2006 I was a teacher of Maths in Secondary School
- From 2003 to 2006 I worked as researcher in the Department of Physics of University of Perugia
- From 1998 to 2000 I was a member of the board of Directors of the local authority for the right of studies
- From 1996 to 1998 I was a member of the Council of the Students of the University of Perugia.

PUBLICATION & CONGRESS

- **Correlation between Structural Relaxation and Distribution of Particle Clusters in Glass-Forming Epoxy-Amine Mixtures Undergoing Step Polymerization**
R. Volponi, S. Corezzi, and D. Fioretto
Macromolecules, Vol. 40, No. 9: May 1, 2007pp 3450 - 3460
- Annual Meeting "Liquid Glassy" Farfa (MC) (Italy) 2004

FIELD OF RESEARCH

At the University I have investigate the dielectric proprieties of systems based on epoxy resins and ammines. Thanks to the many technical and scientific capacities developed I have carried out an experimental setup able to monitoring the thermal fluctuations of the epoxy-ammine system during the polymerization process. That measurements could improve the theory stated by Fluctuation Dissipation Theorem (F.D.T.) (see Kubo Theory) in systems that evolving weakly out of equilibrium.

At the CIRA I'm doing research on methods to reduce the acoustic vibration in composites with epoxy matrix, using carbon nanotube. I'm studying the electrical properties of such composites and at least, I'm working on the characterization of some properties as shrinkage, heat capacity, degree of cure and so on of some epoxy resins in a GATEUR (Group for Aeronautical Research and Technology in Europe) project.

SKILL INTERESSES

- Computers: knowledge of various O.S. as WINDOWS, LINUX; software as OFFICE, software for the manipulation of audio and video, Statistical Software as ORIGIN. Programming Languages as Visual Basic, Java, Labview.
- Finance: knowledge of the main statistical technique for the manipulation of financial data.

PERSONAL STATEMENT

I am a reliable person who loves to work in a worm and friendly environment.

When the situation request a special application , my flexibility and my bent to problem solving helps me to face it.

I authorize your company to the treatment of the personal information provided according to the European Community Law 95/46/CE regarding the protection of privacy (in Italy the Law 675/96).