

EUROPEAN CURRICULUM VITAE

PERSONAL INFORMATION

Name **GABRIELE**
Surname **FORMENTINI**
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Nationality **Italian**
Civil Status **married**
Date of birth **21 OCTOBER 1971**
Personnummer **711021-5055**

WORK EXPERIENCE

Dates (from - to) **FROM APRIL 26, 2010**
Name of employer SMHI - Swedish Meteorological and Hydrological Institute
Sector Marine meteorologist
Occupation Permanent position

Dates (from - to) **FROM OCTOBER, 2009**
Name of employer 1013millibar Europe – swedish Enskild Firma
Sector Website planning and design, dataprogramming for meteorology
Occupation Self-employed

Dates (from - to) **MAY 3, 2009 – JUNE 15, 2009**
Name of employer Center for Severe Weather Research, Boulder, Colorado (USA)
Sector VORTEX2 field phase - research project on tornados and supercells
Occupation Instrument deployment and navigation
Main activities PODs deployment in the path of tornados during the field phase of the VORTEX-2 project (Verification of the Origins of Rotation in Tornados Experiment 2).

Dates (from - to) **JANUARY 1, 2000 – APRIL 31, 2009**
Name of employer Agency for Environmental Protection and Prevention of Veneto Region (ARPAV) - Meteorological Centre of Teolo, Teolo (Pd) Italy, Public Agency
Sector Specialistic Meteorology Office
Occupation Senior meteorologist – permanent position
Main activities Weather forecasting and nowcasting activities (daily routine and warning situation), project development, conference organization, research activities, websites administration. Coordination of specific activities, training, TV and media interviews.
Management, control and data analysis of main remote sensing platforms as two EEC C-band radars (TVR2500C) and one X-band radar, MSG satellite receiving and processing station, complex multisensorial software platform HDSS (WDT), SAF Nowcasting.

Dates **2006-2008**
Name of employer Radarmeteo Srl, Due Carrare (Pd) Italy - Private Company
Sector Project development, training
Occupation Consultant
Main activities Websites development, software installation and training, project development within "Meteorological Monitoring System and Decision Support System" for Civil Protection Offices and Bureaus of Reclamation

Dates **2005**
 Name of employer Otawatch Srl, Rovigo Italy - Private company
 Sector Project development
 Occupation Consultant
 Main activities Developed the project "Weather Monitoring System and Decision Support System" for Veneto Regional Civil Engineers Group

Dates **2001-2002**
 Name of employer Blu Informatica Snc, Padova Italy – Private company
 Sector Software
 Position Consultant
 Main activities Software installation and customer care

Dates (from – to) **FROM JULY 4, 1999 TO DECEMBER 31, 1999**
 Name of employer Agency for Environmental Protection and Prevention of Veneto Region (ARPAV) - Meteorological Centre of Teolo, Teolo (Pd) Italy, Public Agency
 Sector Forecasting office
 Position Junior meteorologist
 Main activities Weather forecasting and nowcasting activities, internet and intranet website development

Dates (from – to) **FROM JANUARY 4, 1999 TO JUNE 30, 1999**
 Name of employer Agency for Environmental Protection and Prevention of Veneto Region (ARPAV) - Meteorological Centre of Teolo, Teolo (Pd) Italy, Public Agency
 Sector "Hydromet" project
 Position Consultant
 Main activities Development of hydrologic and meteorologic models to minimize damage from floods, within EU "Hydromet" project

Dates (from – to) **FROM JANUARY 3, 1998 TO OCTOBER 31, 1998**
 Name of employer Beta Studio Srl, Ponte San Nicolò (PD) Italy, Private company
 Sector "Darth project"
 Position Consultant
 Main activities Development of advanced radar technologies for hydrometeorology applications within EU "Darth" project and nowcasting and forecasting activities and radar data control

Dates (from – to) **FROM JULY 9, 1997 TO JULY 4, 1999**
 Name of employer Beta Studio Srl, Ponte San Nicolò (PD) Italy, Private company
 Sector Radarmeteorology
 Position Consultant
 Main activities Nowcasting and forecasting activities and radar data control

EDUCATION

Dates **1990-1997**
 Name of organization University of Padua, Department of Physic, Math and Natural Sciences - , Padua, Italy
 Title of qualification awarded Dottore in Astronomia (Italian university degree in Astronomy) - final grade 106/110"
 Further information Thesis title: "Comparison between weather radar and radiosounding wind measurements"

Dates **1985-1990**
 Name of organization Liceo Scientifico "Ettore Leonida Martin" - Latisana (UD) Italy
 Title of qualification awarded Diploma di maturità scientifica (Scientific High School Diploma) – final grade 48/60

SCHOOLS, WORKSHOPS AND TRAINING

Dates **19 DECEMBRE 2009**
 Name of organization Educational Testing Service (ETS), Stockholm

Subject	TOEFL IB Test successfully passed with 96/120
Dates	2006-2008
Name of organization	COMET, WDTB, Eumetsat - Distance learning
Subject	Various topics about meteorology and remote monitoring systems
Dates	FROM SEPTEMBER 8 TO SEPTEMBER 13, 2008
Name of organization	EUMETSAT – Darmstadt, Germany
Subject	Conference: “2008 Eumetsat Meteorological Satellite Conference”
Dates	FROM APRIL 11 TO APRIL 12, 2008
Name of organization	ELSAG Datamat – Rome, Italy
Subject	Course “DataMet: weather radar mosaicing system in Italy”
Dates	FROM SEPTEMBER 10 TO 14 SEPTEMBER, 2008
Name of organization	The Abdus Salam International Center for Theoretical Physics – Trieste, Italy
Subject	Conference: “4th European Conference on Severe Storms (ECCS2007)”
Dates	FROM JANUARY 14 TO JUNE 29, 2007
Name of organization	Agency for Environmental Protection and Prevention of Veneto Region – Verona, Italy
Subject	School: “High Specialization Environmental School”
Dates	19 APRIL 2007
Name of organization	Segreteria Regionale ai Lavori Pubblici, Veneto Region (Civil Protection), - Mestre (VE), Italy
Subject	Course: “Basic level training for Civil Protection Emergency operators”
Dates	FROM MAY 2 TO MAY 6, 2005
Name of organization	Enterprise Electronics Corporation / Weather Decision Technologies - Norman (Oklahoma), US
Subject	Course: “Hydromet Decision Support System”
Dates	FROM MAY 31 TO JUNE 4, 2004
Name of organization	EUMETSAT – Praha, Czech Republic
Subject	Conference: “2004 Eumetsat Meteorological Satellite Conference”
Dates	FROM FEBRUARY 19 TO MAY 7, 2003
Name of organization	University of Padova and Fondazione Cassa di Risparmio di Padova e Rovigo - Padova, Italy
Subject	Course: “Entrepreneur training course – Start Cup 2003”
Dates	FROM SEPTEMBER 19 TO SEPTEMBER 20, 2002
Name of organization	Regional Meteorological Observatory, Regional Agency for Environmental Protection of Friuli Venezia Giulia Region - Cervignano del Friuli (UD), Italy
Subject	Workshop: “Orographic precipitations”
Dates	FROM MARCH 25 TO MARCH 28, 2002
Name of organization	University of Trento and MeteoTrentino (Meteorological Service of Trentino Region) - Trento, Italy
Subject	Course: “Meteorology and weather forecasting on regional scale”
Dates	FROM FEBRUARY 25 TO MARCH 1, 2002
Name of organization	Meteorological Regional Service (Emilia Romagna Region) / Eumetsat / Italian Air Force - Bologna, Italy
Subject	Course: “Meteorological Satellites: data and products interpretation”
Dates	APRIL 2001
Name of organization	Agency for Environmental Protection and Prevention of Veneto Region / Deutscher Wetterdienst - Teolo (PD), Italy
Subject	Course: “Synoptic meteorology”

Dates	DECEMBER 2000
Name of organization	Agency for Environmental Protection and Prevention of Veneto Region / Department of Electronics of University of Milan - Teolo (PD), Italy
Subject	Course: "Radar meteorology"
Dates	12 DECEMBER 2000
Name of organization	Agency for Environmental Protection and Prevention of Veneto Region / Datamat Srl - Rome, Italy
Subject	Conference: "Operative applications of monitoring systems and regional radar networking"
Dates	1995-1996
Name of organization	Department of Physics, University of Padua - Padua, Italy
Subject	Course: "Atmospheric Physics"

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE **ITALIAN**

OTHER LANGUAGES

ENGLISH

Reading skills Good
Writing skills Good
Verbal skills Good

SWEDISH

Completed SFI level C, plan to complete level D by end of April 2010.

SOCIAL SKILLS AND COMPETENCES

I have always been working in team, often in collaboration with foreign partners. I have often been interviewed (<http://www.1013millibar.it/varie/interviste.html>) on local media (tv, radios and newspapers) about weather forecasts, meteorological events and activities connected to the Association Thunderstorms – <http://www.thunderstorms.it> (storm chasing tours in US and weather courses). I organized many weather training courses for "Severe weather observers and storm chasers", I wrote two books "Thunderstorms and Tornados" – (<http://www.alphatest.it/libri/libro.php?codice=978-88-483-0781-9>) and "Noi cacciatori di tornado" – (<http://www.lulu.com/content/libro-a-copertina-morbida/noi-cacciatori-di-tornado/5664077>). I have always been trying to involve other people in my projects.

I've always had a strong interest in space exploration and space-related subjects.

ORGANIZATIONAL SKILLS AND COMPETENCES

As consultant I have developed different projects about meteorological monitoring systems and studies on weather assistance services for outdoor activities. I have organized complex events coordinating people, gathering funds and sponsorships; I like to be in a leading position. I have excellent group coordination skills, can work in a team also under stress conditions. I love to work in a challenging and technologically evolving environment.

TEACHING EXPERIENCE

- 21/22 March 2009, Lecturer for the "Temporal: istruzioni per l'uso (Thunderstorms: operating instructions)" course organized by Associazione Thunderstorms, Padova, Italy
- 12/13 April 2008, Lecturer for the "Osservatori fenomeni meteorologici intensi e stormchaser (Severe weather observers and stormchasers)" course organized by Meteoromagna, Faenza (RA), Italy
- 28/29 April 2007, Responsible of organization and lecturer for "Cacciatori di temporal: Osservarli, capirli e prevederli (Stormchasing: observing, understanding and forecasting thunderstorms)" course organized by ARPAV/Meteo Network – Abano Terme (PD), Italy
- 29/30 April 2006 and 27/28 May 2008, Responsible of organization and lecturer for "Osservatore di fenomeni meteo intensi e cacciatore di temporal (Severe weather observers and stormchasers)" course organized by ARPAV/Meteo Network - Teolo (PD), Italy
- 2003/2004/2005, Lecturer "Satelliti meteorologici e previsioni del tempo (Meteorological satellites and weather forecasting)" within the Agrometeorology University Degree, Faculty of Agricultural Sciences – University of Padova, Italy

- February/March 2003, Responsible of organization and lecturer for the “*Meteorologia Generale per il volo (General Meteorology for flight)*” course organized for the Flight Club Blue Arrows - San Stino di Livenza (VE), Italy
- October/November 2001 and February-March 2002, Lecturer for four different editions of the “*Utilizzo dei dati meteorologici e radarmeteorologici per la gestione del territorio e la protezione civile (Use of weather and radar data for land management and Civil Protection)*” course organized by ARPAV, Centro Meteorologico di Teolo (PD), Italy
- October 2000, Lecturer for the “*La diffusione delle informazioni e dei prodotti meteorologici per applicazioni in campo ambientale (Dissemination of weather info and products for environmental application)*” course organized by ARPAV - Centro di Educazione Ambientale di Vallorch (BL), Italy
- March 2000, Lecturer for the “*Utilizzo dei dati meteorologici e radarmeteorologici per la gestione del territorio (Use of weather and radar data for land management)*” course organized by ARPAV at Centro di Educazione Ambientale di Vallorch (BL)

TECHNICAL SKILLS AND COMPETENCES

Programming languages: Php and MySql, Shell Script (bash), Html, Fortran-C (basic knowledge)
 Software tools and packages: Edge (software for EEC radars system control), HDSS (Hydrometeorological Decision Support System), SkyView (MSG satellite receiving and image elaboration station form Tecnavia), SAFNWC, MSG_RGB, MS Office package, Image elaboration softwares (Adobe Photoshop, Paint Shop Pro), Web layout (Dreamweaver), Data and graphics (Surfer), GIS (Arcmap). Windows/Linux/Mac experience. Excellent software learning skills.

OTHER SKILLS AND COMPETENCES

Sports: Skiing, Tennis, Byking. Travelling: USA (2005,2007,2008,2009), Europe (Spain, Greece, Scotland, France, Germany, Austria, Hungary, Croatia, Slovenia, Czech Republic, Portugal, Switzerland, Iceland, Sweden, Netherlands, Denmark), Cape Verde. Music: piano. Hobbies: photography, storm chasing (I took care about the complete organization of the 2007 and 2008 Italian Storm Chasing Tours in the USA with full responsibility on budget, reservations and arrangements - see <http://www.thunderstorms.it>), 4x4 experiences (3rd place in the 1995 Defender Cup, Spain), computer and technologies, movies, web-blog (<http://onewaytosweden.blogspot.com>). President of the “Thunderstorms Association” in Italy.

DRIVING LICENCE

Full clean B-type driver’s license with 4x4 driving experience

PUBLICATIONS AND POSTERS

- 2009, Lulu Books, “*Cacciatori di tornado*” – G.Formentini
- 2008, ICCP 2008, “*The 26th September 2007 Venice extreme convective rainfall event*” – A.Barbi, G.Formentini, M.Monai
- 2007, AMS Conference 2007. “*Documentation of a convective activity in North-eastern Italian Region of Veneto*”- A.Rossa, A.Dalla Fontana, M.Calza, J.Conway, R.Millini, G.Formentini
- 2006, 1st ForAlps Conference. “*ARPAV-ForAlps microradar installation on a historically strategic vantage point*” - L.Lago, A.Rossa, A.Tardelli, M.Calza, G.Formentini, P.Frontero
- 2006/2009, Alpha Test Books. “*Temporali e tornado*” - G.Formentini, A.Gobbi, A.Griffa, P.Randi
- 2006, AMS Conference 2006. “*Flash flood prediction in Italy: development and testing of a new capability*” - J.Conway, C.Barrere, G.Formentini, L.Lago, A.Rossa, M.Calza
- 2006, ERAD Conference 2006. “*The Hydromet Decision Support System: application in hydrology and flash flood prediction*” - J.Conway, G.Formentini, L.Lago, A.Rossa
- 2005, EMS-ECAM Conference 2005, Utrecht (NL). “*The ARPAV Hydromet Decision Support System: operational applications in nowcasting and hydrology*” - J.Conway, G.Formentini, C.Barrere, L.Lago
- 2005, International Symposium on Nowcasting and Very Short Forecasting, Toulouse. “*Applications of the McGill algorithm for precipitation nowcasting using semi-langrangian extrapolation within the ARPAV Hydromet Decision Support System*” - J.Conway, G.Formentini, C.Barrere, L.Lago
- 2004, ADGEO Volume 2, 6th Plinius Conference on Mediterranean Storm. “*Multi-sensor analysis of extreme events in North-Eastern Italy*” - M.Monai, A.Rossa, G.Formentini, S.Veronese
- 1999, ARPAAV. “*Radarmeteorology applications for the study of heavy precipitation events*” - A.Bonini Baraldi, G.Cenzon, R.Da Ros, G.Formentini, M.Pavin, D.Pernigotti
- co-author of the blog <http://onewaytosweden.blogspot.com>

REFERENCES

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