

ARIANNA TARDELLI

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Nationality: Italian

WORK EXPERIENCE

February 2005 - present

Veneto Regional Environment Protection Agency (ARPAV), headquarter of the meteorological department at Teolo, Padova (Italy) 'Centro Meteorologico di Teolo', Unit: Office of Specialistic Meteorology. Areas branch: management of radar systems, satellite MSG (Meteosat Second Generation) and multiple sensor platform WDT HDSS (Hydromet Decision Support System).

Duties include:

- administration and development of the ARPAV intranet web site including the production of the web site section for the meteorological products of the Teolo Center
- collaboration in the production and supervision of the website www.adriamet.info (Project funded by the European Union with the European Fund for Regional Development, Interreg IIIA - Adriatic Crossborder)
- production of graphic and literature related to the activities of the Meteorological Center including brochures, posters, logos, and other meteorological information
- systems administration of the Tecnavia system for receiving and processing real-time weather data of the Meteosat Second Generation Satellite; administration of the satellite data archive; retrieval of data from the archive and production of images and meteorological products from the data
- systems administration of the Linux server that collects all the meteorological data for the ingest a large meteorological software package called the Hydromet Decision Support System (<http://www.wdtinc.com>)
- developed and maintain data processing package for the comparison between different meteorological information sources including raingauge network, meteorological satellite, radar and numerical forecast models
- developed a comparison study that examined the differences between the measurements of two of ARPAV's meteorological long range radars that collect data

at C-band compared to the measurements of an X-band microradar recently installed in north central Italy in conjunction with a European Union Project called Foralps

- perform radar data quality control and filling where necessary, particularly on the X-band radar

April 2007

Member of the team that managed the first ARPAV Italian convention on climate changes and severe weather events: THUNDERSTORMS 2007 at the Congresshouse of Abano Terme (Padova), April 24th-29th, 2007 (www.thunderstorms.it). The convention also included the First National Conference on Climate Changes and Extreme Weather Events and the second edition of the training course: "Storm chasers. Watching the storms, understanding them and forecasting". Co-developed

April – May 2006

Member of the team that managed for ARPAV the first Italian training course: "Storm chasers. Watching the storms, understanding them and forecasting" at the Meteorological Center of Teolo (ARPAV)

December 2004 – February 2005

Development of an e-commerce web site for a private company of Dobbiaco (Bolzano), Italy.

December 2003 – November 2004

Employee at the internal revenue office at the municipality of Dobbiaco (Bolzano), Italy; administration and optimization of the taxpayer database

November 2002 – June 2003

Teacher in mathematics and physics at the state secondary school "G. Carducci", Bolzano, Italy

July 2002 – September 2003

Employee at the internal revenue office at the municipality of Dobbiaco (Bolzano), Italy; administration and optimization of the taxpayer database

EDUCATION & TRAINING

December 2000

University of Bologna, department of Astronomy, Degree (Master equivalent) in Astronomy. Subject of thesis: "Environmental and morphological research on a test-sample of Seyfert Galaxies with high brightness". Content: elaboration and analysis of optical and radio images; statistical analysis of the results.

April 2006

Training course: "Storm chasers. Watching the storms, understanding them and forecasting" organized by the Meteorological Center of Teolo (ARPAV)

May 2002 – October 2002

Training course (European Funds) of 800 hours: "Specialist in graphic design" at Euroform Scarl, Savelli str., 124, Padova, Italy

LANGUAGES

Italian	Mother tongue
German	Fluent
English	Good

COMPUTER SKILLS

Operational Systems

MS-DOS, Windows Vista, XP and 2000, Unix, Linux Suse and Red Hat, VMS

Software

Macromedia Dreamweaver MX, Flash MX, Fireworks MX, Freehands MX; NVU; Adobe Acrobat, Photoshop, Illustrator, Quark XPress, Microsoft Front Page, Publisher, Office; Tecnavia Skyceiver; working knowledge of *Hydromet Decision Support System* software, fluent in the software for the processing and manipulation of optical images using MIDAS, fluent in the software for processing and manipulation of radiometric and optical pictures using the Astronomical Image Processing System (AIPS)

Programming languages

Html, CSS, php, javascript, MySQL; basic knowledge of IDL and Visual Basic

PUBLICATIONS

"ARPAV-FORALPS microradar installation on a historically strategic vantage point", L. Lago, A. M. Rossa, A. Tardelli, M. Calza, G. Formentini, P. Frontero. Poster presented at 1st FORALPS Conference, Ljubljana (Slovenia), September 2006

"Tools for studying climatology of convective activity", M. Calza, L. Lago, M. Monai, A. Tardelli. Abstract and poster presented at 2ndForalps Conference, Salzburg, November 2007 and at Final Foralps Conference, Trento, March 2008

UNPAID POSITIONS

August 2002 – October 2002

Stage at Seven s.r.l. – Castelfranco Veneto (TV): collaboration in the development of an e-learning platform: contents, graphic design, accessibility (<http://www.sevenlab.it>); marketing research about the most important competitors for the development of a real estate web portal

OTHER

Summer 2001

Training sojourn in Hannover, Germany, for an in-depth course about the German language

PROFILE / DEMONSTRATED STRENGTHS

Has a responsible and highly motivated attitude towards work. Knowledge about numerous software packages, web page development, and systems administration. Ability to learn complex tasks and systems quickly. Enjoys working on stimulating international projects and works best in team environments. Good computer skills combined with solid scientific background. Speaks Italian, German and English.