

EUROPEAN  
CURRICULUM VITAE  
FORMAT



**PERSONAL INFORMATION**

Name **BARBIERO, Andrea**  
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Nationality **ITALIAN**  
Date of birth 14.05.74

**WORK EXPERIENCE**

- Dates (from – to) From January 2014 to the present day
- Name and address of employer Online companies of different countries (Pactera Spain, Translated.net Italy, Proz.com USA, ...)
- Type of business or sector Online companies for translation and interpreting
- Occupation or position held Short term contracts as Scientific Translator or Interpreter for the linguistic pairs ENG<->IT, FR<->IT o ENG<->FR
  - Translation of documents, usually of scientific or technical topic (e.g. patents, scientific papers in Chemistry, Physics, Material Science and Medicine)
  - Interpreting in the same fields
- Main activities and responsibilities
  
- Dates (from – to) From June 2010 to May 2015
- Name and address of employer Université de Fribourg (Fribourg, Switzerland) and Adolph Merkle Institute (Marly, Switzerland)
- Type of business or sector University of Fribourg, Science Faculty, Chemistry Department
- Occupation or position held Researcher in Chemistry
- Main activities and responsibilities
  - Research in Chemistry and Nanotechnology: synthesis, analysis and Computational

## Chemistry

- Didactics and Training in Chemistry and Material Science in a multidisciplinary and multilingual environment

From February 2009 to May 2010

Fondazione Fenice Onlus (Padova)

Training and Didactics on renewable energies and sustainable development; support for companies

Responsible of the human resources (guides), didactics and equipment. Short term contracts or Co.co.pro

- Didactics and Training on renewable energies and sustainability, front-line teachings and courses (school, companies), writing of research projects for several partners (CNR, companies), promotion of cultural activities and of renewable energy power plants installation.

- Dates (from – to)
- Name and address of employer
  - Type of business or sector
- Occupation or position held
- Main activities and responsibilities

## From February 2008 to February 2009

### Volunteer work with Cérébral (see Organisational skills and competences at the end)

From February 2007 to February 2008

CERN (Meyrin, Geneva, SWITZERLAND) in collaboration with Università degli Studi di Napoli 'Federico II' e INFN – Napoli section. Responsible CERN: Ing. R. Losito. Responsible INFN – Napoli section: Prof. V. G. Vaccaro

Pure and industrial Research

1-year Co.co.pro Research Grant winner through the University of Naples: "Studio del processo di fabbricazione di fotocatodi in Cs<sub>2</sub>Te prodotti per co-deposizione" ("Study of the manufacturing process of Cs<sub>2</sub>Te photocathodes by co-deposition")

- Research and Development activity for CLIC (Compact Linear Collider), a system of two LinAc (Linear Accelerator) in a French/English environment and writing of technical document.

- Dates (from – to)
- Name and address of employer
  - Type of business or sector
  - Occupation or position held
- Main activities and responsibilities

From June 2006 to January 2007

Vodafone Italia - Corporate Sector (Padova)

Support and Customer Care for companies for mobile telephone market

- Back and front office tasks, data entry, modifications of contracts, privacy sensitive data management.

- Dates (from – to)
- Name and address of employer
  - Type of business or sector
  - Occupation or position held
- Main activities and responsibilities

## EDUCATION AND TRAINING

From April 2006 to July 2006

CNR of Padova

Electrochemistry: electro-dissolution of Ag in HClO<sub>4</sub> aq. with voltammetry and EIS (Electrochemical Impedance Spectroscopy)

CVD and PVD on ceramic materials and multi-layered oxides (e.g. Al-Zr-O, Cr-Zr-O, Al-Cr-O).

Research and writing in English for hydrogen producing materials

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
  - Title of qualification awarded
- Level in national classification (if appropriate)

From February 2005 to January 2006

Università degli Studi di Padova and Laboratori Nazionali di Legnaro of the Istituto Nazionale di Fisica Nucleare (INFN – LNL). Responsible: Prof. V. Palmieri

Vacuum technology, PVD/CVD depositions, coatings (protective, functional, decorative), automation and drawings with 3D CAD, surface techniques for chemistry and electrochemical

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational

skills covered

- Title of qualification awarded
- Level in national classification (if appropriate)

• Dates (from – to)

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

- Level in national classification (if appropriate)

• Dates (from – to)

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded
- Level in national classification (if appropriate)

• Dates (from – to)

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded
- Level in national classification (if appropriate)

## PERSONAL SKILLS AND COMPETENCES

*Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.*

MOTHER TONGUE

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

treatments and analysis. Stage in collaboration with industries and INFN-LNL: successful technological transfer from research to companies.

End of stage thesis (translated title): 'Surface Treatments of Titanium, Aluminium and alloys for finishing of mechanical parts and for industrial applications in the dental implantation field an vacuum technology'.

Master in 'Surface Treatments for Industry'

Second level University Master. Evaluation: Positive with Merit.

Stage at INFN from February to December 2005

Laboratori Nazionali di Legnaro dell'Istituto Nazionale di Fisica Nucleare (INFN – LNL).

Chemical surface treatments of industrial titanium surfaces: prosthetics, eyeglasses frames, automotive sector

Research grant (translated title) "Surface treatments of titanium and alloys per finishing of mechanical parts for industrial applications on dental implant, prosthetics and automotive fields."

FSE grant for training/research

From June to December 2004

Certottica S.c.a.r.l. (Longarone, Belluno) e IFNF-LNL

Research on eyeglasses production, treatments, analysis and quality control.

"Industrial plant Technician for vacuum deposition for eyewear district"

European training course FSE

25/03/2004

Bachelor in Chemistry (Inorganic and Chemical-physical programs) at the Università degli Studi di Padova

Study of plastic materials with linear and non-linear optical Spectroscopy.

Thesis (translated title): "Photomodulation of chiro-optical properties of azo-derived chiral metacrylic polymers". Responsible: Prof. D. Pedron.

Bachelor in Chemistry

Second level Bachelor. Evaluation: 110/110

ITALIAN

**7 YEARS OUT OF ITALY AND SPEAKING/WRITING IN ENGLISH/FRENCH EXCLUSIVELY**

ENGLISH

EXCELLENT

EXCELLENT

EXCELLENT

- Reading skills
- Writing skills
- Verbal skills

#### SOCIAL SKILLS AND COMPETENCES

*Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.*

#### ORGANISATIONAL SKILLS AND COMPETENCES

*Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.*

#### TECHNICAL SKILLS AND COMPETENCES

*With computers, specific kinds of equipment, machinery, etc.*

#### ARTISTIC SKILLS AND COMPETENCES

*Music, writing, design, etc.*

#### OTHER SKILLS AND COMPETENCES

*Competences not mentioned above.*

#### DRIVING LICENCE(S)

#### FRENCH

EXCELLENT

EXCELLENT

EXCELLENT

BASICS OF **GERMAN, SPANISH** AND **JAPANESE**. HE FOLLOWED BASIC COURSES OF THESE THREE LANGUAGES BOTH IN SWITZERLAND AND ITALY

Able to work alone or in team. He worked seven years out of Italy in French-speaking countries (France, Switzerland) in French and English-speaking environments, with people of many countries, cultures and backgrounds.

Good communication and social skills.

Coordination in volunteer work, during the period in Geneva, for the assistance of handicapped persons and nursing (medicines administering, following medical prescriptions; hygiene and body care). Driving of special vehicles for handicapped persons.

All the more well known techniques of synthesis, research and analysis in Chemistry and Material Science.

User level knowledge or better of Windows (up to 8.1), Office (Word, Excel, Access, Power Point, Publisher), Openoffice (the entire suite), Microsoft Project, Adobe Acrobat Professional, Origin e Labview. CAD knowledge: advanced of Catia di Dassault Systems (CAD 3D) and user level of Inventor and Autocad of Autodesk. User level knowledge of Paint Shop Pro, Adobe Photoshop, Paint.net and other programs for Graphical Editing. Basic notions of HTML and CSS (HTML-KIT) programming. Basic notions of construction theory and programs for finite elements calculations (Straus, ANSYS).

Some novels in Italian language for literary contest and collaboration with a local TV channel for renewable energy educational videos and the production of an interactive DVD on such topics.

In 2008 he followed a basic course on "Assistance for poly-handicapped persons" at the Cérébral association in Geneva.

Notions of Project Management, Microsoft Project and the international patent law.

B. He possesses a car.

## ADDITIONAL INFORMATION

### Publications:

#### CERN Technical Notes:

- A. Barbiero, E. Chevally, K. Elsener, R. Losito, "Cesium-Telluride Photocathode No. 166", CARE-Report-07-018-PHIN; AB-Note-2007-023 ATB; CTF3-Note-089
- A. Barbiero and E. Chevally, "Standard Measurement Method using the Stylus Profilometer VEECO DEKTAK 6M for samples of circular thin films"; AB-ATB-LPE Internal Note
- A. Barbiero, E. Chevally, K. Elsener, R. Losito; "Calibration of the Thin Film Deposition Controllers in the CERN Photoemission Laboratory"; AB-ATB-LPE Internal Note
- A. Barbiero, E. Chevally, K. Elsener; "Transfer Arm project"; Presentation of the project to AB/ATB LPE Laboratory
  
- A. Barbiero, V. Palmieri, V. Rampazzo, "Study of chemical polishing and deburring of titanium samples. A technological transfer to an industrial problem", LNL – INFN Annual Report 2005
- Tesi di laurea
- L. Giorgini, L. Angiolini, T. Benelli, A. Barbiero, R. Bozio, A. Daurù, D. Pedron, "Polimeri fotocromici chirali come switches chiroottici", XVI Convegno Italiano di Scienza e Tecnologia delle Macromolecole, Pisa, 22-25/09/2003.
- H. Ramanantoanina, M. Sahnoun, A. Barbiero, M. Ferbinteanu, F. Cimpoesu, "Development and applications of the LFDFT: the non-empirical account of ligand field and the simulation of the f-d transitions by density functional theory", Phys Chem Chem Phys. 2015 Jul 8;17(28):18547-57.

I undersigned ANDREA BARBIERO declare that the information in the present Curriculum Vitae are exact and truthful.

I authorise the use of my personal data in compliance with Legislative Decree 196/03 and subsequent modifications.

