

PERSONAL INFORMATION

Jessica Maria Chicco

 [Redacted] [Redacted] [Redacted]

[Redacted]

JOB APPLIED FOR

Geologist

WORK EXPERIENCE

31/01/2014–Present

Geologist freelancer

Planning of geothermal plants, geological surveys and reports. (Board of registration for Professional Geologist of Piemonte Region, Italy, with the number 817)

31/01/2013–Present

PhD student

PhD student (Eureka Project in range of "POR Marche FSE 2007-2013")

Sector: low enthalpy geothermal energy

Location: School of Science and Technology, University of Camerino (MC), Italy

In the course of PhD activity:

i) Assistant of the Professor for the Master's degree course named "Geothermics" with frontal lessons, field trip and exams;

ii) Assistant supervisor of a Bachelor's and Master's degree thesis

01/04/2014–31/05/2014

Substitute Teacher

School Institution, Aosta valley (Italy)

01/03/2012–01/03/2013

Coworker

Vulcano Esplorazioni, Milano (Italy)

Scientific divulgation (coordination of didactic exhibitions, geological expeditions, conferences and seminars)

01/10/2011–31/03/2013

Coworker

E.T.A. Research s.r.l., Cuneo (Italy)

Planning of geothermal plants, geological surveys and reports. Collaborations in the realization of low enthalpy geothermal plants

25/08/2011–28/02/2013

Expert consultant

Local Government (Province of Cuneo), Cuneo (Italy)

Mine activity, geology

EDUCATION AND TRAINING

01/10/2007–11/02/2011

Master's degree in Geological Sciences

Department of Earth Sciences, University of Pisa, Pisa (Italy)

Curriculum in Georesources and geological materials

Specific skills: applied petrography, geothermics, plate tectonics, geochemistry, geodynamics, volcanology, stratigraphy, physical volcanology

Master's thesis: volcanology

01/10/2003–17/07/2007

Bachelor's Degree in Earth Sciences

Department of Earth Sciences, University of Turin, Torino (Italy)

General skills in Earth Sciences: sedimentary geology, structural geology, hydrogeology, geomorphology, quaternary geology, mineralogy, petrography, paleontology, geological surveys, physical geography, maths, physics, chemistry, applied geology, geotechnics

Bachelor's thesis: quaternary geology

10/09/1998–26/06/2003

Linguistic High School Diploma

Comprehensive High School "Liceo Linguistico Paritario", Cuneo (Italy)

Specific skills: English, French and Spanish languages (grammar and literature skills)

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C2	B2	B2	B2
French	C1	C2	C1	C1	C1
Diplôme d'études en langue française (DELF) B4					
Spanish	C2	C2	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
[Common European Framework of Reference for Languages](http://www.cedefop.europa.eu)

Communication skills

Good communication skills gained through my experience as speaker in some seminars and conferences and through sales, as coworker, in family shops.

Job-related skills

Use of scientific instruments:

vibrating sieve, binocular and optical microscope, Scanning Electron Microscope (SEM XL30 Philips with EDAX DX4), GPS Garmin, hydrostatic balance, helium pycnometer, inductively coupled mass spectrometer (LA-ICP-MS); Transient Divided Bar Technology (TDB) and Isomet Technology linked to evaluation of thermo-physical properties of rocks; XRD to better know mineralogical properties of rocks.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

Microsoft office 2003 (Word, Excel, Power Point), Microsoft office: Mac 2008 (Word, Power Point, Entourage), internet, Adobe Photoshop CS2, ImageJ MicroVision 1.2.7, Canvas X, Corel Draw, QGIS "1.8.0 Lisboa" and "2.8 Wien", ArcGIS 9.3, Autocad for Mac, Gimp, Comsol Multiphysics, Matlab, Landmark's SeisWorks SD Software

Driving licence B

ADDITIONAL INFORMATION**Conferences**

- i) "Il calore della Terra a casa nostra" (October, 2013): Speaker. Location: Local government (Province of Cuneo)
- ii) "Pianificazione e utilizzo sostenibile della risorsa geotermica e termale" (October, 2013). Location: UNESCO, Colombella (PG), Italy
- iii) "Tools for thermal and thermochronological study of sedimentary basins: from data to modeling". (October, 2013). Location: Department of Earth Sciences, University of Perugia, Italy
- iv) "IX edizione del Forum Italiano di Scienze della Terra 'Le Geoscienze per la Società'" (September, 2013). Location: Palazzo dei Congressi, Pisa, Italy
- v) "Energia dalla Natura" (February, 2013). Location: Sala incontri, Parco Naturale del Marguareis, Chiusa di Pesio (CN), Italy
- vi) "Il possibile contributo della geotermia di alta temperatura per la produzione di energia elettrica in Italia fino al 2050 con l'uso di tecnologie innovative" (June, 2012). Location: CNR, Roma, Italy
- vii) "Dancalia. Conferenza sulla regione Afar" (April, 2012). Location: Palazzo Righini, Fossano (CN), Italy
- "Intelligence Energy for Europe" (February, 2011). Location: GSE, Roma, Italy

Presentations

- i) EGU General Assembly 2016 (from 17 to 22 April, 2016 in Wien, Austria). Poster presentation
- ii) X Convegno dei Giovani Ricercatori di Geologia Applicata (from 18 to 19 February, 2016 in Bologna, Italy)
- iii) 26th IUGG General Assembly of the International Union of Geodesy and Geophysics (from June 22 to July 2, 2015 in Prague, the Czech Republic). Poster presentation
- iv) 87° Congresso della Società Geologica Italiana e 90° Congresso della Società Italiana di Mineralogia e Petrologia (SGI SIMP 2014, "The future of the Italian geosciences, the Italian geoscience of the future") (September, 2014). Poster presentation Location: University of Milan, Italy
- v) "I Vulcani come espressione tettonica: come influenzano la Vita dell'uomo" (March, 2013). Oral communication Location: Istituto Tecnico Commerciale "Bonelli", Cuneo, Italy.

Courses

- i) Series of short courses for PhD students at the School of Advanced Studies (SAS) of the University of Camerino (October, 2015)
- ii) "Pompe di calore geotermiche: un contributo all'utilizzo di fonti energetiche rinnovabili applicabile anche in ambito ligure". Speakers: Prof. Massimo Verdoya, Dr. Marco Orsi (June, 2014). Location: DISTAV, University of Genoa, Italy
- iii) "Geophysical methods for exploration in geothermics" (May, 2014). Speaker: Dr. Carlo Ungarelli (Schlumberger PTS Geosolutions). Location: School of Science and technology, Geology Division, University of Camerino (MC), Italy
- iv) Academic course on "Termocinetica e Termofluidodinamica". Speakers: Prof. Mario Malandrone and Prof. Roberto Zanino - Politecnico of Turin
- v) "Relazioni fra strutture e risorse geotermiche" (February, 2014). Speaker: prof. Domenico Liotta. Location: department of Earth Sciences, University of Milano, Italy
- vi) "Correct interpretation and reading of well profiles and geophysical logs". (September, 2013). Speaker: Dr. Michele Pellegrini. Location: "Business Unit Onshore, Operation Environment" di SAIPEM S.p.A (Fano, Italy)
- vii) "English for writing Research papers". (May/June, 2013). Speaker: Prof. Micheal Zebrak. Location:

School of Science and technology, Geology Division, University of Camerino

viii) "Key energy technologies, Project "Energy Vision 2020" (May, 2013). Location: Istituto Tecnico Industriale G. e M. Montani, Fermo, Italy

ix) Academic course on "Topografia, Cartografia e GIS" (From April to May, 2013). Speaker: Prof. Carlo Bisci, School of Science and technology, Geology Division, University of Camerino, Italy

x) "Melts, Glasses, Magmas". (July, 2011). Speaker: Prof. Don Dingwell. Location: Department of Earth and Environmental Sciences, LMU, Munich,,Germany

xi) Hysotope Hydrology". (May, 2011). Location: CNR, Pisa

Seminars "Evoluzione Geodinamica e magmatica della Puna Argentina (Argentina)". (May, 2014). Speaker: Prof. Jose Viramonte (Universidad Nacional de Salta, Argentina. Director-GEONORTE INENCO-CONICET. Location: School of Science and technology, Geology Division, University of Camerino (MC), Italy

Publications i) Chicco J., Fusari A., Invernizzi C. (2016) *Innovative applications of geothermal energy for direct uses: a pilot study case in Marche region (Italy)*. Rend. Online Soc. geol. It., 1-4 (in press).
ii) Chicco J., Invernizzi C. (2014) *Thermo-physical properties of groundwater in sedimentary deposits of Umbria-Marche succession and their role for low enthalpy geothermal plants*. In: Cesare B., Erba E., Carmina B., Fascio L., Petti F.M., Zuccari A. (a cura di): Società Geologica Italiana, The Future of the Italian Geosciences - The Italian Geosciences of the Future - Abstract book - Milano, 10-12 Settembre, 2014. Rend. Online Soc. Geol. It., Suppl. 1, vol. 31, p. 572 - ISSN: 2035-8008, doi: 10.3301/ROL.2014.140

Projects i) From 12 to 15 January, 2015; from 23 to 25 November 2015; from 12 to 16 January, 2016: training activities at ENI in San Donato Milanese (MI), Italy. Use of a specific software (Landmark's Seiswork) in order to visualize and interpret seismic lines in Marche Region linked to the PhD Project
ii) From September 2014 to actually: participation in the draft and in the operative phases of the FAR project "MATREND" of the University of Camerino, Geology Division.
ii) January, 2012: participation to a geological expedition in Afar Region ("Dancalia 2012")