

Curriculum Vitae

Personal Information

Name **Alessia Conti**
E-mail alessia.conti@uniroma1.it

Education

25/09/2014

Ph.D Earth Sciences - University of Rome "Sapienza"

Research Project: "Central-eastern margin of the Tyrrhenian basin: processing and interpretation of new multichannel seismic profiles".

Seismic processing and interpretation of several seismic lines localized in the Central Tyrrhenian Sea, in order to define the structural setting of the area within the general context of the Mediterranean geodynamics.

Supervisor: Dr. S. Bigi.

12/12/2008

M.Sc. Geological Sciences - University of Rome "Sapienza"

Course Specialization: Geophysics and Structural Geology; Final mark 110/110 cum laude

Supervisor Dr. S. Bigi; Co-supervisor Dr. P. Casero

Research Thesis in Structural Geology: "Structural setting reconstruction of Periadriatic Basin between Vomano and Sangro rivers (Abruzzi, Central Italy), using 2D seismic dataset".

Reconstruction of geometry, kinematics and chronology of deformation in the Abruzzi Periadriatic sector during Plio-Pleistocene and definition of the relationships between tectonic and sedimentation.

Second Research Thesis in Mineralogy "Mineralogical characterization of some inclusions in quartz from Minas Gerais (Brazil)". Supervisor Prof. A. Maras.

Experience

1/07/2015-to present

Post-doc at Sapienza University.

Project: Geological-structural reconstruction of the Metan Basin (Salta, Argentina) for geothermal assessment through seismic database interpretation.

29/09/2014-17/10/2014

Robertson (UK) Ltd "Exploration Workshop". Workshop employing the G&G methods which any well-qualified international oil company would use in carrying out a petroleum geological evaluation of a tranche of petroleum prospective acreage anywhere in the world. The objective of the workshop concerns the identification of leads and prospects in a licensable area within a basin with demonstrated petroleum potential; gravity, seismic geophysical data, log, core and sample data from wells and published material are used for the evaluation of prospectivity.

13/3/2012-25/09/2012

Visitor researcher at TNO (Netherlands Organisation for Applied Scientific Research, Utrecht area).

Processing of new multichannel seismic profiles acquired in the Tyrrhenian Sea in October 2010; learning of the basic practice procedures of seismic processing (ProMAX).

1/3/2010 -30/4/2010

Fixed term contract. INGV-DPC project “*Determination of seismogenic potential in Italy for seismic hazard calculations*”, phase 2. Institution: C.N.R.

August 2010

Fixed term contract. Fieldwork at Latemar Mt. (Dolomites, east Alps, Italy) and analysis of collected data as part of a project regarding fracture analysis on natural analogues (Department of Earth Sciences, University of Rome “Sapienza”).

1/5/2009 -31/8/2009

Fixed term contract. INGV-DPC project “*Determination of seismogenic potential in Italy for seismic hazard calculations*”, phase 1. Institution: C.N.R.

Personal Skills and Competences

TECHNICAL SKILLS AND COMPETENCES

- 2D seismic reflection data interpretation and well log correlation
- Basic procedures for seismic data processing
- 3D geological modelling
- Basemap/database realization within Gis environment
- General knowledge of technical instruments for marine geophysics acquisition
- General knowledge of technical instruments for gemstones analysis

COMPUTER SKILLS AND COMPETENCES

Good proficiency in the utilization of:

- Seismic and well interpretation: **Kingdom** (SMT), **Petrel** (Schlumberger)
- Geological section restoration and 3D geological modelling: **Move (Midland Valley)**
- Seismic data processing: **ProMAX** (Halliburton)
- ArcGis (ESRI)
- Adobe Photoshop and Illustrator
- Microsoft Office (Word, Excel, PowerPoint)

LANGUAGES

Italian: mother tongue

Spanish: excellent oral and written skills

English: good oral and written skills

SOCIAL SKILLS AND COMPETENCES

Responsibility, self-respect and self-reliance; strong referential values of fairness, equity and dignity; good organizational skills; flexibility and predisposition to teamwork; ability to establish good working relations with people of different national and cultural backgrounds; ability to live and/or serve in hardship locations.

Additional information

ATTENDED COURSES

Summer school of Scientific Diving, 24-30 Settembre 2016, Panarea Island.

Mechanics of sedimentary basins for structural interpretation of seismic data, February 2016, Department of Earth Sciences, University of Rome 3, W. Sassi (IFP Energies Nouvelles)

Matlab programming, November 2015 Department of Earth Sciences, University of Rome “Sapienza”, Prof. Maurizio Battaglia.

Analysis and evaluation of cores and cuttings and their importance in the geological model building, Workshop, 23 March 2013, PanTerra Geoconsultants B.V. (Leiderdorp, The Netherlands).

Introduction to Numerical Methods in Earth Sciences, 8 March –10 May 2011, Department of Earth Sciences, University of Rome “Sapienza”, Prof. Maurizio Battaglia.

Seismic Structures: Interpretation and 2D/3D Model Building and Validation, 12-16 September 2011, short course held at the Earth Science Department of the University of Pavia, Dr. C. Turrini.

Structural geology applied to hydrocarbon exploration and production, 13-17 April 2010, held at the Department of Earth Sciences of the University of Naples Federico II, Dr. F. Borraccini.

PUBLICATIONS AND CONFERENCES

A. Conti, S. Bigi, M. Cuffaro, C. Doglioni, D. Scrocca, F. Muccini, L. Cocchi, M. Ligi, and G. Bortoluzzi - *Transfer zones in an oblique back-arc basin setting: insights from the Latium-Campania segmented margin (Tyrrhenian Sea)*, Tectonics, under review.

Cuffaro M., Martorelli E., Bosman A., Conti A., Bigi S., Muccini F., Cocchi L., Ligi M., Bortoluzzi G., Canese S.P., Conte A.M., Chiocci F.L., Doglioni C., Perinelli C., Scrocca D. - *The Ventotene Volcanic Ridge: a newly explored complex in the central Tyrrhenian Sea (Italy)*. Bulletin of vulcanology, (2016) 78: 86. doi:10.1007/s00445-016-1081-9

G. L. Cardello, A. Conti, L. Consorti, D. Do Couto - *Fault-controlled volcanic vents between the Volsci Range and the magma-rich Tyrrhenian passive margin (Italy)*. Congresso della Società Geologica Italiana, Napoli 2016.

Conti A., Bigi S., Cocchi L., Ligi M., Muccini F., Bortoluzzi G., Cuffaro M., Doglioni C., Scrocca D., Loreto F., Giordano P., Ferrante V., Conte A.M., Perinelli C. (2014) - *Newly discovered submarine volcanoes north of Ventotene extend the Pontine volcanism offshore Gaeta (Tyrrhenian Sea, Italy)*. Abstract presented at the 87^o Convention of the Italian Geological Society (Milan, 10-12 September, 2014).

Conti A., Bigi S., Bortoluzzi G., Cuffaro M., Doglioni C., Ligi M., Meekes S. & Scrocca D. (2013) *Central-Eastern margin of the Tyrrhenian basin: an insight from new multichannel seismic profiles*. Abstract presented at the annual meeting of Structural Geology Italian Group (GIGS), Milan 28-30 October, 2013.

Bigi S., Conti A., Casero P., Ruggiero L., Recanati R. & Lipparini L. (2012). *Geological model of the central periadriatic basin (Apennines, Italy)*, Marine and Petroleum Geology. (<http://dx.doi.org/10.1016/j.marpetgeo.2012.07.005>)

Conti A., Bigi S., Casero P., Ruggiero L., Recanati R. & Lipparini L. (2011). *3D reconstruction of the Central Periadriatic Basin (Marche–Abruzzi onshore)*. Abstract presented at Geoitalia 2011, VIII Forum Italiano di Scienze della Terra.

Conti A., Casero P., Bigi S., Ruggiero L., Recanati R. & Lipparini L. (2010). *3D reconstruction of the periadriatic portion of the Apennines fold-and-thrust-belt (Marche –Abruzzi onshore)*. Rendiconti Online Societa Geologica Italiana, supplemento al Vol 11/2010.

Bigi S., Conti A. & L. Ruggiero (2010). *3D model of the Marche-Abruzzi periadriatic portion of the Apennines fold-and-thrust belt and comparison with seismicity distribution*. Poster presented in the Final meeting of the seismological projects” (INGV-DPC), Rome 30 June -2 July 2010.

Scrocca D., Livani M., Bigi S., Carminati E. & Conti A. (2010). *Seismotectonic characterization of the central-northern Apennines accretionary prism*. Poster presented in the “Final meeting of seismological projects” (INGV-DPC), Rome 30 June -2 July 2010.

Macri' M., Maras A., Serracino M., Moretti P.F., Conti A. (2008) *Quarzo con Ankaigite e celsiana dal Brasile*. Rivista Gemmologica Italiana, vol. n.: 3/2 ,153-155.

December, 2016

Alessia Conti