

## **ALLEGATO B**

UNIVERSITÀ DEGLI STUDI DI MILANO

selezione pubblica per n. 1 posto/i di Ricercatore a tempo determinato ai sensi dell'art.24, comma 3, lettera a) della Legge 240/2010 per il settore concorsuale 04/A2 Geologia Strutturale, Geologia Stratigrafica, Sedimentologia e Paleontologia, settore scientifico-disciplinare GEO/03 - Geologia Strutturale, presso il Dipartimento di Scienze della Terra "Ardito Desio", (avviso bando pubblicato sulla G.U. n. 7 del 25.01.2019) Codice concorso 3984

## **[Alessia Conti]** **CURRICULUM VITAE**

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	CONTI
NOME	ALESSIA
DATA DI NASCITA	[14, febbraio, 1979]

### **INSERIRE IL PROPRIO CURRICULUM** **(non eccedente le 30 pagine)**

#### **WORK EXPERIENCE**

1/7/2015 –to present	<p>Post-doc Earth Sciences Department- Sapienza University</p> <p>Project: Geological-structural reconstruction of the Metàn Basin (Salta, Argentina) for geothermal assessment through seismic database interpretation</p>
1/3/2010 -30/4/2010	<p>Post Graduate fellow C.N.R.-IGAG (National Research Council of Italy, Institute of Environmental Geology and Geoengineering)</p> <p>INGV-DPC project: Determination of seismogenic potential in Italy for seismic hazard calculations (phase 2)</p>
08/2010	<p>Fixed term contract Earth Sciences Department- Sapienza University</p> <p>Fieldwork and data analysis of fractures at Latemar Mt. (Dolomites, east Alps, Italy) in a naturally fractured carbonate reservoir analog</p>
1/5/2009 -31/8/2009	<p>Post Graduate fellow C.N.R.-IGAG (National Research Council of Italy, Institute of Environmental Geology and Geoengineering)</p> <p>INGV-DPC project: Determination of seismogenic potential in Italy for seismic hazard calculations (phase 1)</p>

#### **EDUCATION**

25/09/2014	<p>Ph.D. Earth Sciences Earth Sciences Department- Sapienza University</p> <p>Research Project in Geophysics: "Central-eastern margin of the Tyrrhenian basin: processing and interpretation of new multichannel seismic profiles"</p>
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12/12/2008

M.Sc. Geological Sciences

Sapienza University

Research Thesis in Structural Geology: "Structural setting reconstruction of Periadriatic Basin between Vomano and Sangro rivers (Abruzzi, Central Italy), using a 2D seismic dataset" (110/110 cum laude)

## SCIENTIFIC EXPERIENCE

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13/3/2012-25/09/2012

Visitor researcher

TNO (Netherlands Organisation for Applied Scientific Research, Utrecht area)

Processing of multichannel seismic profiles (ProMAX).

29/09/2014-17/10/2014

Traineeship

Robertson Ltd-CGG (Llandudno, Galles, UK)

Participation to the Exploration Workshop Graduate Training Programme: identification of leads and prospects by means of Geological and Geophysical data

Participation to [oceanographic surveys](#) (S.SILVERIO 2004, SEISMOFAULTS 2017, SEISMOFAULTS 2018, FASTMIT 2018) in collaboration with C.N.R and I.N.G.V; support in the acquisition of cores sampling, multibeam, HR seismic

[Teaching assistant](#) in the course "Seismic interpretation and 3D modelling" (2016-2018)

Organization and teaching activity of the [Scientific Diving Summer School](#) (Panarea, Eolian Islands) (2016-2018)

[Co-supervisor](#) in Geological Sciences M.Sc. Thesis from 2016

## PERSONAL SKILLS

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[Mother tongue](#)

Italian

[Other languages](#)

Spanish: excellent oral and written skills

English: good oral and written skills

[Computer skills](#)

- Windows OS, Office package, Graphics software (Illustrator, Photoshop)
- ArcGIS for editing and geodatabase interrogation
- Kingdom-SMT and Petrel-Schlumberger for Seismic Interpretation
- SeisSpace ProMAX for seismic processing
- Move-Midland Valley for model building and restoration/forward modeling

[Job-related skills](#)

- 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 (multibeam, CHIRP, Sparker)

[Licences](#)

Type B Driving Licence

PADI Open Water Diving license

## RESEARCH INTERESTS

- Reconstruction of geometry, kinematics and chronology of deformation in a foreland basin system (NW-Argentina) and definition of the relationships between tectonic and sedimentation, with particular regard to the geothermal assessment of the area, by means of seismic interpretation
- Processing and interpretation of seismic lines in the area of the Messina Strait, with particular regard to active faulting and the geodynamic context of the Mediterranean area
- Tectonic-structural setting of the Latium-Campania margin and correlation with the opening of the Tyrrhenian Sea.
- Study of fault systems and Neogenic basins by means of geophysical data (HR seismic, MCS profiles, multibeam) in the Ionian Sea and implications for the geodynamic context and seismic hazard of the area

## ADDITIONAL INFORMATION

### Memberships

Italian Geological Society

### Courses

- Training Course on research infrastructures for CO<sub>2</sub> storage, Department of Earth Sciences, University of Rome "Sapienza", 29/03/2017
- Mechanics of sedimentary basins for structural interpretation of seismic data. Febbraio 2016, Department of Earth Sciences, Roma 3, W. Sassi (IFP Energies Nouvelles)
- Matlab programming, Novembre 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 Marzo 2013, PanTerra Geoconsultants B.V. (Leiderdorp, The Netherlands).
- Introduction to Numerical Methods in Earth Sciences, 8 Marzo –10 Maggio 2011, Department of Earth Sciences, University of Rome "Sapienza", Prof. Maurizio Battaglia
- Seismic Structures: Interpretation and 2D/3D Model Building and Validation, 12-16 Settembre 2011, Department of Earth Sciences, Pavia University, Dr. C. Turrini
- Structural geology applied to hydrocarbon exploration and production, 13-17 April 2010, Department of Earth Sciences, University of Naples, Federico II, Dr. F. Borraccini.

### Publications

- Cufaro M, Billi A., Bigi S., Bosman A., Caruso C.G., Conti A., Corbo., Costanza A., D'Anna G., Doglioni C., Fertitta G., Gasperini L., Italiano F., Lazzaro G., Ligi M., Longo M., Martorelli E., Petracchini L., Petricca P., Polonia A., Sgroi T. (2018)- The Bortoluzzi Mud Volcano (Ionian Sea, Italy) and its potential for tracking the seismic cycle of active faults. Solid Earth, under review. <https://doi.org/10.5194/se-2018-118>
- Conti, S. Bigi, M. Cuffaro, C. Doglioni, D. Scrocca, F. Muccini, L. Cocchi, M. Ligi, and G. Bortoluzzi (2017) - Transfer zones in an oblique back-arc basin setting: insights from the Latium-Campania segmented margin (Tyrrhenian Sea), Tectonics, 36, Volume 36, 78–107, DOI: 10.1002/2016TC004198
- 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. (2016) - The Ventotene Volcanic Ridge: a newly explored complex in the central Tyrrhenian Sea (Italy). Bulletin of volcanology, 78: 86. doi:10.1007/s00445-016-1081-9

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., 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.

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

#### Poster/Oral Presentations

A. Billi, M. Cuffaro, L. Beranzoli, S. Bigi, A. Bosman, C.G. Caruso, A. Conti, A. Corbo, A. Costanza, G. D'Anna, M. De Caro, C. Doglioni, D. Embriaco, G. Fertitta, F. Frugoni, L. Gasperini, F. Italiano, G. Lazzaro, M. Ligi, E. Martorelli, S. Monna, C. Montuori, A. Nigrelli, G. Passafiume, L. Petracchini, A. Polonia, G. Proietti, L. Ruggiero, T. Sgroi, and M. C. Tartarello- The SEISMOFAULTS Project: first surveys, preliminary results, and the Bortoluzzi Mud Volcano, Ionian Sea, southern Italy. GNGTS 2018

Tartarello M.C., Bigi S., Colucci F., Civile D., Giustiniani M., Accaino F., Moia F., Plaisant F., Maggio E., Pettinau A., Conti A., Ruggiero L. - Characterization of fractured rocks as potential CO2 storage: the case of Sulcis Coal Basin, Italy". GHGT 2018

Maesano F.E., Volpi V., Civile D., Conti A., Tiberti M.M., Accettella D., Cova A., Facchin L., Romeo R., Sormani L., Zgur F., Basili R., Rossi G. - New evidence of active transtensional deformation in Apulia foreland (N-Ionian Sea)". ESC 2018

T. Sgroi and the SEISMOFAULTS team - Investigation of active faults in the Ionian Sea through seismological, geochemical and bathymetric data: the SEISMOFAULTS project. AGU 2017

Conti, R. Maffucci, S. Bigi, S. Corrado, G. Giordano, J. G. Viramonte - Structural setting of the Metán Basin (NW Argentina): new insights from 2D seismic profiles. *Geophysical Research Abstracts*, Vol. 19, EGU 2017.

L. Cardello, A. Conti, L. Consorti, D. Do Couto - Quaternary fault-controlled volcanic vents and crustal thinning: new insights from the magma-rich Tyrrhenian passive margin (Italy). *Geophysical Research Abstracts*, Vol. 19, EGU 2017.

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). *Congresso della Società Geologica Italiana*, Milano 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, GIGS, Milano, 2013.

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

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. "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. "Final meeting of the seismological projects" (INGV-DPC), Rome 30 June -2 July 2010.

Data

25/02/2019

Luogo

Roma