

CURRICULUM VITAE

PERSONAL INFORMATION

Name	VIRGINIA STRATI
Address	PIAZZA XXIV MAGGIO, 20 – 44121 FERRARA
Phone	+39 348 9356603
E-mail	strati@fe.infn.it
Nationality	Italian
Date of birth	8 th May 1989

EDUCATION AND TRAINING

Dates	2013 - Present
Name and type of organisation providing education and training	University of Ferrara, Physics and Earth Sciences Department
Level in national or international classification	PhD Course in Physics
Dates	2010-2012
Name and type of organisation providing education and training	Center of Geo-technologies, University of Siena
Principal Subject	Geology, Nuclear Geophysics, Geotechnics, Photogrammetry
Level in national or international classification	Master Degree in Geological Sciences and Technologies
Title of the thesis	Analisi del contenuto di radioattività delle principali formazioni rocciose delle aree alpine, prealpine e collinari della Regione Veneto, finalizzata alla produzione di carte tematiche della distribuzione di radionuclidi naturali
Vote	110/110 cum laude
Dates	2007-2010
Name and type of organisation providing education and training	Center of Geo-technologies, University of Siena
Principal Subject	Geology, Geophysics, Thematic Mapping, Applied Geology, Remote sensing
Level in national or international classification	Bachelor degree in Geotechnologie
Title of the thesis	Studio della frana in località Campo Grande (comune di Cavriglia) mediante integrazioni di analisi diacronica e metodi geofisici.
Vote	110/110 cum laude

WORK EXPERIENCES

Dates
Name and type of organisation
providing education and training
Type of business
Main activities and responsibilities

12/2011 - 06/2012
Centro di GeoTecnologie, Dipartimento di Fisica (Università di Ferrara), Laboratori Nazionali Di Legnaro (Istituto Nazionale di Fisica Nucleare)
Stage
- Geophysical surveys (seismic and geoelectrical methods): field activity, processing and interpretation data.
- Nuclear Geophysics: monitoring of natural radioactivity of the rocks.

Dates
Name and type of organisation
providing education and training
Type of business
Main activities and responsibilities

11/2009 - 03/2010
Svaltec s.r.l - Firenze (Italy)
Stage
- Collaboration in a project of Tuscany Region for the evolution of a regional cartographic system.

PERSONAL SKILLS AND COMPETENCES

MOTHER LANGUAGE

Italian

OTHER LANGUAGE

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken Interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

CERTIFICATIONS

- Preliminary English Test
- First Certificate of English

AWARDS

Student Outstanding Presentation Award 2014 - Solid Earth Scientific Section - Japan Geoscience Union Meeting.

COMPUTER SKILLS

Software: Esri ArcGis, Rhinoceros 3.0, Erdas imagine 9.2, GeoStudio, , Matlab, Statsoft Statistica, Gnuplot, Geometrics Seismodule Controller V.9.14, SeisOptPicker, V.1.5, SeisOpt2D V.6.0, WinMASW V.4.1, Res2Dinv (Geotomo software), Surfer (Golden Software), AutoCad,Macromedia FreeHands, Geovariances ISATIS, R.
Programming Languages: Fortran

DRIVING LICENSE

cat. B

ANNEX A

Publications

ANNEX B

Teaching experiences

ANNEX A - PUBLICATIONS

PEER REVIEWED SCIENTIFIC PAPERS

Huang Y., **Strati V.**, Mantovani F., Shirey S.B., McDonough W.F. *Regional study of the Archean to Proterozoic crust at the Sudbury Neutrino Observatory (SNO+), Ontario: Predicting the geoneutrino flux.* *Geochemistry, Geophysics, Geosystems* 15(10): 3925 - 3944 (2014). DOI: 10.1002/2014gc005397.

Strati V., M. Baldoncini, G.P. Bezzon, C. Broggin, G.P. Buso, A. Caciolli, I. Callegari, L. Carmignani, T. Colonna, G. Fiorentini, E. Guastaldi, M. Kaçeli Xhixha, F. Mantovani, R. Menegazzo, L. Mou, C. Rossi Alvarez, G. Xhixha and A. Zanon. *Total natural radioactivity, Veneto (Italy).* *Journal of Maps*, (2014) DOI: 10.1080/17445647.2014.923348

Guastaldi E., M. Baldoncini, G. Bezzon, C. Broggin, G. Buso, A. Caciolli, L. Carmignani, I. Callegari, T. Colonna, K. Dule, G. Fiorentini, M. Kaçeli Xhixha, F. Mantovani, G. Massa, R. Menegazzo, L. Mou, C. Rossi Alvarez, **V. Strati**, G. Xhixha, A. Zanon, *A multivariate spatial interpolation of airborne γ -ray data using the geological constraints.* *Remote Sensing of Environment*, (2013) 137: 1-11. DOI: 10.1016/j.rse.2013.05.027

Callegari I., G.P. Bezzon, C. Broggin, G.P. Buso, A. Caciolli, L. Carmignani, T. Colonna, G. Fiorentini, E. Guastaldi, M.K. Xhixha, F. Mantovani, G. Massa, R. Menegazzo, L. Mou, A. Pirro, C.R. Alvarez, **V. Strati**, G. Xhixha, A. Zanon. *Total natural radioactivity, Tuscany, Italy.* *Journal of Maps*, 9(3), 438-443.. DOI: 10.1080/17445647.2013.802999

CONFERENCE PROCEEDINGS

E. Tufarolo, M. Baldoncini, G. P. Bezzon, G. P. Buso, I. Callegari, L. Carmignani, T. Colonna, G. i Fiorentini, E. Guastaldi, M. Kaçeli Xhixha, F. Mantovani, L. Mou, C. Pagotto, E. Realini, M. Reguzzoni, C. Rossi Alvarez, R. Salvini, D. Sampietro, **V. Strati**, G. Xhixha, A. Zanon. *Il Radgyro: un autogyro dedicato ad acquisizioni airborne multiparametriche.* Atti 18a Conferenza Nazionale ASITA, 14 - 16 ottobre 2014, Firenze.

V. Strati, M. Baldoncini, G.P. Bezzon, C. Broggin, G. P. Buso, A. Caciolli, I. Callegari, L. Carmignani, T. Colonna, G. Fiorentini, E. Guastaldi, M. Kaçeli Xhixha, F. Mantovani, R. Menegazzo, L. Mou, C. Rossi Alvarez, G. Xhixha, A. Zanon. *Total natural radioactivity map of Veneto (Italy).* INFN-LNL Rep. 240, 145-146. ISSN: 1828-8561 (2014).

P. Garosi, M. Baldoncini, A. Iovene, F. Mantovani, L. Mou, S. Petrucci, C. Rossi Alvarez, **V. Strati**, C. Tintori, G. Xhixha. *A segmented detector for airborne gamma-ray spectroscopy.* Symposium on Radiation Measurements and Applications (SORMA XV), Michigan, USA (2014).

G. Xhixha, M. Baldoncini, G.P. Bezzon, G.P. Buso, L. Carmignani, I. Callegari, T. Colonna, E. Guastaldi, G. Fiorentini, F. Mantovani, L. Mou, C. Robustini, C. Rossi Alvarez, **V. Strati**, M. Kaçeli Xhixha, A. Zanon. *Performances of a lightweight collimated γ -ray spectrometer for in-situ surveys.* EU-NORM 2 Symposium (2014), Prague, Czech Republic.

G. Xhixha, M. Baldoncini, G.P. Bezzon, G.P. Buso, I. Callegari, T. Colonna, G. Fiorentini, G. Gjeta, M. Goga, E. Guastaldi, F. Hasani, F. Mantovani, L. Mou, C. Rossi Alvarez, **V. Strati**, M. Xhixha Kaçeli, A. Zanon. *Assessment of Naturally Occurring Radioactive Materials (NORMs) in soils from the Kuçova oilfield, Albania.* 7th International Conference on ENVIRONMENTAL and GEOLOGICAL SCIENCE and ENGINEERING (EG 2014), Salerno, Italy. Latest Trends in Energy, Environment and Development, 154-160. ISBN: 978-960-474-375-9.

B. Ricci, M. Baldoncini, J. Esposito, L. Ludhova, F. Mantovani, **V. Strati**, G. Xhixha, S. Zavatarelli. *Geo-neutrinos and reactor anti-neutrinos expected in Daya Bay II and in LENA.* XXIV International Conference on Neutrino Physics and Astrophysics, Boston, U.S.A.

V. Strati, Huang Y., Mantovani F., Shirey S.B., Rudnick R.L., McDonough W.F. *Towards a refined regional geological model for predicting geoneutrinos flux at Sudbury Neutrino Observatory (SNO).* Japan Geoscience Union Meeting (JpGU 2014) Pacifico Yokohama, Kanagawa, Japan. (2014).

G. Xhixha, G.P. Bezzon, C. Broggin, G.P. Buso, A. Caciolli, I. Callegari, T. Colonna, G. Fiorentini, E. Guastaldi, M. Kaçeli Xhixha, F. Mantovani, G. Massa, R. Menegazzo, L. Mou, C. Rossi Alvarez, **V. Strati**. *Automated gamma-ray spectrometer for monitoring wastes made by non-nuclear industries.* *Mineralogical Magazine - Goldschmidt Abstracts 2013*, Florence, Italy, 77(5):2519-2533. (2013).

E. Guastaldi, M. Baldoncini, G.P. Bezzon, C. Broggin, G.P. Buso, A. Caciolli, I. Callegari, T. Colonna, G. Fiorentini, M. Kaçeli Xhixha, F. Mantovani, G. Massa, R. Menegazzo, L. Mou, C. Rossi Alvarez, **V. Strati**, G. Xhixha. *Mapping the natural radioactivity of Elba Island by means of geostatistical interpolation of airborne γ -ray data.* *Mineralogical Magazine - Goldschmidt Abstracts 2013*, Florence, Italy, 77(5):1125-1238. (2013).

G. Xhixha, A. Ahmeti, G.P. Bezzon, M. Bitri, C. Broggini, G.P. Buso, A. Caciolli, I. Callegari, F. Cfarku, T. Colonna, G. Fiorentini, E. Guastaldi, F. Mantovani, G. Massa, R. Menegazzo, L. Mou, C. Rossi Alvarez, Dh. Sadiraj Kuqi, M. Shyti, **V. Strati**, M. Xhixha Kaçeli, P. Zdruli, A. Zyfi. *Natural radioactivity in chemical fertilizers used in Albania investigated with a fully automated gamma-ray spectrometer*. International Conference of Ecosystems (ICE2013) Tirana, Albania, 31 June - 5 July, 2013. ISBN: 978-9928-4068-6-6

V. Strati, G.P. Bezzon, C. Broggini, G.P. Buso, A. Caciolli, I. Callegari, T. Colonna, G. Fiorentini, E. Guastaldi, M. Kaçeli Xhixha, F. Mantovani, G. Massa, R. Menegazzo, L. Mou, C. Rossi Alvarez, G. Xhixha. *Studio del contenuto di radioattività delle principali formazioni rocciose delle aree alpine, prealpine e collinari della Regione Veneto*. Workshop in geofisica 2012 Museo Civico Rovereto, Italy, 123-140. ISBN: 978-88-7498-200-4.

G. Xhixha, G.P. Bezzon, C. Broggini, G.P. Buso, A. Caciolli, I. Callegari, T. Colonna, G. Fiorentini, E. Guastaldi, M. Kaçeli Xhixha, F. Mantovani, G. Massa, R. Menegazzo, L. Mou, C. Rossi Alvarez, **V. Strati**. *A fully automated gamma-ray spectrometer for NORM characterization*. 5th EAN_{NORM} workshop 2012 on "Measurement strategies in NORM" and Topical day "NORM in oil- and gas industry", IAF-RADIOökologie GmbH, Dresden, Germany.

ANNEX B - TEACHING EXPERIENCES

- June 16-27, 2014: Tutor teacher, Stage at Legnaro National Laboratory (LNL, INFN) for High School students.
- March 2014: Tutor teacher, Stage Tirocinio Scientifico, Progetto formative e di orientamento, Physics and Earth Sciences Department, University of Ferrara.
- November 2013 - April 2014: Tutor teacher, Didactic activities for High School students on the territory of Padova and Rovigo (Italy).
- June 17-28, 2013: Tutor teacher Stage at Legnaro National Laboratory (LNL, INFN) for High School students.
- November 2012 - May 2013: Tutor teacher, Didactic Project "La carta della radioattività del Comune di Schio", ITIS "De Pretto", Schio (VI), Italy.