

## Prof. Fabio Mantovani

Department of Physics and Earth Sciences  
University of Ferrara  
Polo Scientifico Tecnologico  
Via Saragat 1 - 44122 - Ferrara - Italy  
mantovani@fe.infn.it  
+39 320 0864636



## RÉSUMÉ

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Fabio Mantovani graduated in Physics at the University of Ferrara in 2002 and since then he began working on geoneutrinos, a topic of great interest in the present days which exhibits strong interconnections among physical and geological disciplines. During his graduate studies in Earth Sciences at the University of Siena he carried out research activities in this scientific area: the main outcomes of these studies have been collected in a doctoral thesis dedicated to the investigation of the potential of geoneutrinos as a probe for exploring our planet, able to give insights about the radioactive content of the Earth and its radiogenic contribution to the terrestrial heat. Concurrently, he gained a strong expertise in management as he founded in 2006 and coordinated for the following two years of post-doc the *Laboratory of Applied Geophysics* at the Center for GeoTechnology, which is nowadays one of the most active and well equipped Italian laboratories for geophysical investigations.

After having started in 2008 his activity as a research fellow at the Department of Physics of the University of Ferrara, Fabio Mantovani published global models for the prediction of the geoneutrino signal expected at the KamLAND, Borexino, SNO+ and JUNO experiments, which immediately became a reference at international level. Firmly convinced of the exceptional potentialities arising from the interplay and collaboration of geochemists, geophysicists and particle physicists aimed at a broader understanding of the evolutionary thermodynamics and geochemistry of the Earth, he published several scientific papers with authors belonging to remarkably diverse scientific communities and he strongly supported initiatives like the *Neutrino Geoscience Conference* (ed. 2005, 2007, 2008, 2010, 2013 e 2015), the session entitled *Geoneutrino: The Nexus of Particle Physics and Earth Science* at the Goldschmidt conference (2013) and the *Summer Institute ISAPP: Using Particle Physics to Understand and Image the Earth* (ed. 2016 and 2018).

With the objective of transferring the technological know-how gathered in fundamental Physics to the environmental radioactivity monitoring, Fabio Mantovani founded and coordinates since 2010 the *Laboratory for Nuclear Technologies Applied to the Environment* at the Department of Physics and Earth Sciences of the University of Ferrara. In this framework, a high-level expertise in the design and manufacturing of advanced equipments for laboratory, in-situ and airborne gamma-ray spectroscopy measurements has been achieved, which allowed for participating to competitive tenders and winning grants. These financial supports allowed for starting, maintaining and consolidating a team of young researchers which provided an essential contribution in the realization of the thematic maps of natural radioactivity for three Italian regions (Tuscany, Veneto and Umbria). In this scientific scenario, the team had the chance to take part to the international scientific debate on the radiological characterization of NORMs (Naturally Occurring Radioactive Materials) and on the new techniques dedicated to in-situ and airborne gamma-ray spectroscopy. These activities provided also the opportunity of establishing collaborations with private companies, which led Fabio Mantovani to be one of the inventors of the patent GammaStream, a device designed and realized in the framework of a technological transfer of the University of Ferrara which at the end has become a successful commercial product.

Fabio Mantovani has always carried out an intensive didactic activity at the University of Siena (lectures in Mathematics, Physics and Applied Geophysics) and at the University of Ferrara (lectures in Physics II, Elements of Astrophysics, and Nuclear and Subnuclear Astrophysics). He was advisor/co-advisor of several Bachelor Theses, Master Theses and PhD Theses. Since 2016, he coordinates the annual Summer School in Nuclear Physics and Technologies

which originates from a collaboration between the University of Ferrara and the University of Texas at Austin, where he was invited as visiting professor in March 2018. As an INFN (National Institute for Nuclear Physics) associate researcher, he is the coordinator of the Ferrara section of the JUNO experiment since 2015 and member of Scientific National Committee II since 2017. From February 2017 to February 2018 he was member of Academic Senate of the University of Ferrara as representative of the researcher fellows. From February 2018 Fabio Mantovani is an associate professor of University of Ferrara.

**Summary**

**ACADEMIC CAREER** .....3

**AWARDS** .....3

**PRESENT INSTITUTIONAL SERVICES** .....3

**ENDED INSTITUTIONAL SERVICES** .....3

**PRINCIPAL INVESTIGATOR IN SCIENTIFIC PROJECTS** .....3

**CO-INVESTIGATOR IN SCIENTIFIC PROJECTS** .....4

**SUBCONTRACTOR** .....4

**PATENTS** .....4

**MEMBER OF SCIENTIFIC COMMITTEES** .....5

**REFEREE FOR SCIENTIFIC JOURNALS** .....5

**PEER REVIEWED SCIENTIFIC PAPERS** .....5

**CONFERENCE PROCEEDINGS AND NOT PEER-REVIEWED PAPERS** .....9

**INVITED SPEAKER AT SCIENTIFIC CONGRESSES AND SUMMER SCHOOL** .....14

**INVITATION SEMINARS IN OUTREACH CONFERENCES** .....15

**TEACHING** .....16

**PHD THESIS SUPERVISOR OR ASSISTANT SUPERVISOR** .....17

**MASTER THESIS SUPERVISOR OR ASSISTANT SUPERVISOR** .....18

**BACHELOR THESIS SUPERVISOR OR ASSISTANT SUPERVISOR** .....19

## ACADEMIC CAREER

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February 2018

Associate professor in Physics of the Earth and of the circumterrestrial medium (FIS/06) – Department of Physics and Earth Sciences – University of Ferrara

November 2008

Assistant professor in Nuclear and Subnuclear Astrophysics (FIS/04) – Department of Physics and Earth Sciences – University of Ferrara

November 2006

Two year post-doc position at Center for GeoTechnology - University of Siena

October 2006

PhD in Earth Science – University of Siena

Title of thesis: *Geo-neutrinos: a new probe of Earth's interior*

October 2002

Four year doctoral fellowship – University of Siena

November 2001

Master degree in Physics - University of Ferrara

Title of thesis: *La radiazione cosmica a microonde e la determinazione di osservabili cosmologiche*

## AWARDS

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2006 - Best thesis for PhD program in Earth Science of the University of Siena - XVIII cycle

2002 - Honourable mention – Scientific Treatise Prize "Annibale Di Gasparis" – The Universe seen through the neutrinos – International Prize Città di Tocco da Casauria

## PRESENT INSTITUTIONAL SERVICES

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From 2017 member of National Scientific Committee II (Astroparticle physics experiments) of National Institute for Nuclear Physics (INFN)

From 2014 local coordinator of JUNO experiment (Jiangmen Underground Neutrino Observatory - China) at INFN Ferrara section

From 2014 member of the academic board for the PhD in Physics of University of Ferrara

From 2010 head of the [Laboratory for nuclear technologies applied to the environment](#) of University of Ferrara

From 2003 associated to INFN

## ENDED INSTITUTIONAL SERVICES

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2017 - 2018: member of Academic Senate of University of Ferrara

2016 - 2017: member of University Research Council of University of Ferrara

2013- 2017: member of COST Action TU1301 - [NORM for Building materials](#) (NORM4BUILDING)

2016: member of the PhD admission committee in Physics (XXXII cycle), University of Ferrara

2016: member of the PhD admission committee in Earth Science, University of Maryland

2014: member of the PhD admission committee in Physics (XXX cycle), University of Ferrara

2013: member of the PhD Thesis Committee, PhD in Earth Science of Université Joseph Fourier of Grenoble

2013: member of the PhD admission committee in Physics (XXIX cycle), University of Ferrara

2007 - 2009: head of the [Laboratory for applied geophysics](#) at Center for GeoTechnology, University of Siena

## PRINCIPAL INVESTIGATOR IN SCIENTIFIC PROJECTS

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Title: ITALian RADioactivity project ([ITALRAD](#))

Funding agency: MIUR - Progetto Premiale

Period: 2012 - Now

Goal: mapping the natural radioactivity of the Italian territory with gamma-ray spectroscopy surveys.

Title: The natural radioactivity of Umbria region (Umbria\_Rad)

Funding agency: Umbria Region

Period: 2015 - Now

Goal: mapping the effective dose rate of the population living in Umbria due to terrestrial and cosmic radiations.

Title: Going to the school together with radioactivity

Funding agency: Fondazione Cassa di Risparmio di Padova e Rovigo (CARIPARO) - Attivamente

Period: 2013 - 2016

Goal: teaching and measuring the environmental radioactivity in the secondary schools.

## **CO-INVESTIGATOR IN SCIENTIFIC PROJECTS**

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Title: Distribution of natural radioelements across the Veneto Region using airborne gamma-ray spectrometry (Rad\_Monitor)

Funding agency: Fondazione Cassa di Risparmio di Padova e Rovigo (CARIPARO) - Progetti di Eccellenza 2009-2010

Period: 2009-2013

Goal: measuring and mapping the terrestrial gamma emitters with airborne gamma-ray spectroscopy in Veneto region.

Title: Potential content of natural radioactivity of the Region of Tuscany territory (Rad\_Nat)

Funding agency: Tuscany Region - CIPE (Inter-ministerial Committee for Economic Planning)

Period: 2008-2010

Goal: measuring the radioactivity content of the main geological reservoirs of the Tuscany region.

## **SUBCONTRACTOR**

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Title: Cloud Oriented Radiation Sensor for Advanced Investigation of Rocks (CORSAIR)

Funding agency: Tuscany Region - POR FERS 2014-2020

Period: 2018-2019

Goal: calibrating the prototype of gamma-ray spectrometer and developing a real time computing of radionuclide's abundances in the building materials.

## **PATENTS**

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No. *RM2012A000180* 26 April 2012

Property: University of Ferrara, University of Siena and Carlos Rossi Alvarez

Inventors: Fabio Mantovani, Gerti Xhixha, Tommaso Colonna, Carlos Rossi Alvarez

Title: "[Dispositivo attivo MCA stand-alone per la digitalizzazione di segnali di spettroscopia gamma outdoor](#)"

Ns. Rif.: BREV/ bc/A1722

## MEMBER OF SCIENTIFIC COMMITTEES

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- 2016 - now - [Summer School in Nuclear Physics and Technologies](#) - University of Ferrara and the College of Engineering of the University of Texas at Austin
- 2015 - now - [International School on AstroParticle Physic](#) - ISAPP - European Doctorate School
- 2018 - [Summer Institute \(ISAPP\): using particle physics to understand and image the Earth](#) (II ed.) - Ferrara - 2-12 July - Italy
- 2016 - [Summer Institute \(ISAPP\): using particle physics to understand and image the Earth](#) (I ed.) - Gran Sasso Science Institute - 11-21 July - Italy
- 2015 - [Neutrino Geoscience 2015 Conference](#) - Paris - 15-17 June - France
- 2015 - [International Workshop on KamLAND Geoscience](#) - Tokyo - 15-16 January - Japan
- 2013 - Convenor of the session - [Geoneutrino: the nexus of particle physics and Earth science](#) - Goldschmidt 2013 - Florence - 27 August - Italy
- 2013 - [Neutrino Geoscience 2013 Conference](#) - Takayama - 23-23 March - Japan
- 2010 - [Neutrino Geoscience 2010 Conference](#) - Gran Sasso Laboratory - 6-8 October - Italy

## REFEREE FOR SCIENTIFIC JOURNALS

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- Annals of Geophysics ([Ann Geophys Italy](#))
- Applied Radiation and Isotopes ([Appl. Radiat. Isot.](#))
- Arabian Journal of Geosciences ([Arab J Geosci Journal](#))
- Computers & Geosciences ([Comput Geosci](#))
- Earth and Planetary Science Letter ([EPSL](#))
- Environmental Earth Sciences ([Environ. Earth Sci.](#))
- European Journal of Mineralogy ([Eur. J. Mineral.](#))
- Journal of African Earth Sciences ([J Afr Earth Sci](#))
- Journal of Environmental Radioactivity ([JER](#))
- Journal of Geodynamics ([J Geodyn](#))
- Journal of Instrumentation ([JINST](#))
- Reviews of Geophysics ([Rev. Geophys.](#))

## PEER REVIEWED SCIENTIFIC PAPERS

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Baldoncini, M., M. Albéri, C. Bottardi, E. Chiarelli, K. G. C. Raptis, V. Strati, and F. Mantovani. *Biomass water content effect on soil moisture assessment via proximal gamma-ray spectroscopy*. *Geoderma*, 335, 69-77 (2019). DOI 10.1016/j.geoderma.2018.08.012 ([pdf](#))

Baldoncini, M., M. Albéri, C. Bottardi, E. Chiarelli, K. G. C. Raptis, V. Strati, and F. Mantovani. *Investigating the potentialities of Monte Carlo simulation for assessing soil water content via proximal gamma-ray spectroscopy*. *Journal of Environmental Radioactivity*, 192, 105-116 (2018). DOI 10.1016/j.jenvrad.2018.06.001 ([pdf](#))

Strati, V., Albéri M., Anconelli S., Baldoncini M., Bittelli M., Bottardi C., Chiarelli E., Fabbri B., Guidi V., Raptis K.G.C., Solimando D., Tomei F., Villani G. and Mantovani F. *Modelling Soil Water Content in a Tomato Field: Proximal Gamma Ray Spectroscopy and Soil-Crop System Models*. *Agriculture*, 8(4), 60 (2018). DOI 10.3390/agriculture8040060 ([pdf](#))

Grassi, M., M. Montuschi, M. Baldoncini, F. Mantovani, B. Ricci, G. Andronico, V. Antonelli, M. Bellato, E. Bernieri, A. Brigatti, R. Brugnera, A. Budano, M. Buscemi, S. Bussino, R. Caruso, D. Chiesa, D. Corti, F. D. Corso, X. F. Ding, S. Dusini, A. Fabbri, G. Fiorentini, R. Ford, A. Formozov, G. Galet, A. Garfagnini, M. Giammarchi, A. Giaz, A. Insolia, R. Isocrate, I. Lippi, F. Longhitano, D. L. Presti, P. Lombardi, F. Marini, S. M. Mari, C. Martellini, E. Meroni, M. Mezzetto, L. Miramonti, S. Monforte, M. Nastasi, F. Ortica, A. Paoloni, S. Parmeggiano, D. Pedretti, N. Pelliccia, R. Pompilio, E. Previtali, G. Ranucci, A. C. Re, A. Romani, P. Saggese, G. Salamanna, F. H. Sawy, G. Settanta, M. Sisti, C. Sirignano, M. Spinetti, L. Stanco, V. Strati, G. Verde & L. Votano (2018) *Charge reconstruction in large-area photomultipliers*. *Journal of Instrumentation*, 13, P02008-P02008 (2018). DOI10.1088/1748-0221/13/02/P02008 ([pdf](#))

Strati V., Wipperfurth S.A., Baldoncini M., McDonough W.F., Mantovani F. *Perceiving the crust in 3D: a model integrating geological, geochemical, and geophysical data*. *Geochemistry, Geophysics, Geosystems*, 18, 4326-4341 (2017). DOI 10.1002/2017GC007067 ([pdf](#))

Baldoncini M., Albéri M., Bottardi C., Raptis K.G.C., Minty B., Strati V. and F. Mantovani. *Airborne gamma-ray spectroscopy for modeling cosmic radiation and effective dose in the lower atmosphere*. *IEEE Transactions on Geoscience and Remote Sensing*, 99, 1-9 (2017). DOI 10.1109/TGRS.2017.2755466 ([pdf](#))

Baldoncini M., Albéri M., Bottardi C., Raptis K.G.C., Minty B., Strati V. and F. Mantovani. *Exploring atmospheric radon with airborne gamma-ray spectroscopy*. Atmospheric Environment, 170, 259-268 (2017). DOI 10.1016/j.atmosenv.2017.09.048 ([pdf](#))

Albéri M., Baldoncini M., Bottardi C., Chiarelli E., Fiorentini G., Raptis K.G.C., Realini E., Reguzzoni M., Rossi L., Sampietro D., Strati V., Mantovani F. *Accuracy of flight altitude measured with cheap GNSS, radar and barometer sensors: implications on airborne radiometric surveys*. Sensors 17(8), 1889 (2017). DOI 10.3390/s17081889 ([pdf](#))

Xhixha G., J.A. Trinidad, C. Gasco, F. Mantovani. *First intercomparison among laboratories involved in COST Action-TU1301 "NORM4Building": Determination of natural radionuclides in ceramics*. Journal of Environmental Radioactivity 168 4-9 (2017). DOI 10.1016/j.jenvrad.2016.03.007 ([pdf](#))

An, F., An, G., An, Q., Antonelli, V., Baussan, E., Beacom, J., Bezrukov, L., Blyth, S., Brugnera, R., Avanzini, M.B., Busto, J., Cabrera, A., Cai, H., Cai, X., Cammi, A., Cao, G., Cao, J., Chang, Y., Chen, S., Chen, S., Chen, Y., Chiesa, D., Clemenza, M., Clerbaux, B., Conrad, J., D'Angelo, D., Kerret, H.D., Deng, Z., Deng, Z., Ding, Y., Djurcic, Z., Dornic, D., Dracos, M., Drapier, O., Dusini, S., Dye, S., Enqvist, T., Fan, D., Fang, J., Favart, L., Ford, R., Göger-Neff, M., Gan, H., Garfagnini, A., Giammarchi, M., Gonchar, M., Gong, G., Gong, H., Gonin, M., Grassi, M., Grewing, C., Guan, M., Guarino, V., Guo, G., Guo, W., Guo, X.-H., Hagner, C., Han, R., He, M., Heng, Y., Hsiung, Y., Hu, J., Hu, S., Hu, T., Huang, H., Huang, X., Huo, L., Ioannisian, A., Jeitler, M., Ji, X., Jiang, X., Jollet, C., Kang, L., Karagounis, M., Kazarian, N., Krumshteyn, Z., Kruth, A., Kuusiniemi, P., Lachenmaier, T., Leitner, R., Li, C., Li, J., Li, W., Li, W., Li, X., Li, X., Li, Y., Li, Y., Li, Z.-B., Liang, H., Lin, G.-L., Lin, T., Lin, Y.-H., Ling, J., Lippi, I., Liu, D., Liu, H., Liu, H., Liu, J., Liu, J., Liu, J., Liu, Q., Liu, S., Liu, S., Lombardi, P., Long, Y., Lu, H., Lu, J., Lu, J., Lu, J., Lubsandorzhev, B., Ludhova, L., Luo, S., Vladimir, L., Möllenberg, R., Ma, X., Mantovani, F., Mao, Y., Mari, S.M., McDonough, W.F., Meng, G., Merzaglia, A., Meroni, E., Mezzetto, M., Miramonti, L., Thomas, M., Naumov, D., Oberauer, L., Ochoa-Ricoux, J.P., Olshevskiy, A., Ortica, F., Paoloni, A., Peng, H., Jen-Chieh, P., Previtali, E., Qi, M., Qian, S., Qian, Y., Qian, Y., Qin, Z., Raffelt, G., Ranucci, G., Ricci, B., Robens, M., Romani, A., Ruan, X., Ruan, X., Salamanna, G., Shaevitz, M., Valery, S., Sirignano, C., Sisti, M., Smirnov, O., Soiron, M., Stahl, A., Stanco, L., Steinmann, J., Sun, X., Sun, Y., Taichenachev, D., Tang, J., Tkachev, I., Trzaska, W., Waasen, S.v., Volpe, C., Vorobel, V., Votano, L., Wang, C.-H., Wang, G., Wang, H., Wang, M., Wang, R., Wang, S., Wang, W., Wang, Y., Wang, Y., Wang, Y., Wang, Z., Wang, Z., Wang, Z., Wang, Z., Wei, W., Wen, L., Wiebusch, C., Wonsak, B., Wu, Q., Wulz, C.-E., Wurm, M., Xi, Y., Xia, D., Xie, Y., Zhi-zhong, X., Xu, J., Yan, B., Yang, C., Yang, C., Yang, G., Yang, L., Yang, Y., Yao, Y., Yegin, U., Yermia, F., You, Z., Yu, B., Yu, C., Yu, Z., Zavatarelli, S., Zhan, L., Zhang, C., Zhang, H.-H., Zhang, J., Zhang, J., Zhang, Q., Zhang, Y.-M., Zhang, Z., Zhao, Z., Zheng, Y., Zhong, W., Zhou, G., Zhou, J., Zhou, L., Zhou, R., Zhou, S., Zhou, W., Zhou, X., Zhou, Y., Zhou, Y., Zou, J. *Neutrino physics with JUNO*. Journal of Physics G: Nuclear and Particle Physics, 43, 030401, (2016). DOI 10.1088/0954-3899/43/3/030401 ([pdf](#))

Xhixha G., Alberi M., Baldoncini M., Bode K., Bylyku E., Cfarku F., Callegari I., Hasani F., Landsberger S., Mantovani F., Rodriguez E., Shala F., Strati V., Kaçeli M.X. *Calibration of HPGe detectors using certified reference materials of natural origin*. Journal of Radioanalytical and Nuclear Chemistry, (2015). DOI 10.1007/s10967-015-4360-6 ([pdf](#))

Kaçeli Xhixha, M., Albèri, M., Baldoncini, M., Bezzon, G.P., Buso, G.P., Callegari, I., Casini, L., Cuccuru, S., Fiorentini, G., Guastaldi, E., Mantovani, F., Mou, L., Oggiano, G., Puccini, A., Rossi Alvarez, C., Strati, V., Xhixha, G., Zanon, A.. *Map of the uranium distribution in the Variscan Basement of Northeastern Sardinia*. Journal of Maps, (2015). DOI10.1080/17445647.2015.1115784 ([pdf](#))

Miramonti, L., Bellini, G., Benziger, J., Bick, D., Bonfini, G., Bravo, D., Avanzini, M.B., Caccianiga, B., Cadonati, L., Calaprice, F., Cavalcante, P., Chavarria, A., Chepurnov, A., D'Angelo, D., Davini, S., Derbin, A., Empl, A., Etenko, A., Fiorentini, G., Fomenko, K., Franco, D., Galbiati, C., Gazzana, S., Ghiano, C., Giammarchi, M., Goeger-Neff, M., Goretti, A., Grandi, L., Hagner, C., Hungerford, E., Ianni, A., Ianni, A., Kobychov, V.V., Korabev, D., Korga, G., Koshio, Y., Kryn, D., Laubenstein, M., Lewke, T., Litvinovich, E., Loer, B., Lombardi, P., Lombardi, F., Ludhova, L., Lukyanchenko, G., Machulin, I., Manecki, S., Maneschg, W., Mantovani, F., Manuzio, G., Meindl, Q., Meroni, E., Misiaszek, M., Mosteiro, P., Muratova, V., Oberauer, L., Obolensky, M., Ortica, F., Otis, K., Pallavicini, M., Papp, L., Perasso, L., Perasso, S., Pocar, A., Ranucci, G., Razeto, A., Re, A., Ricci, B., Romani, A., Rossi, N., Sabelnikov, A., Saldanha, R., Salvo, C., Schönert, S., Simgen, H., Skorokhvatov, M., Smirnov, O., Sotnikov, A., Sukhotin, S., Suvorov, Y., Tartaglia, R., Testera, G., Vignaud, D., Vogelaar, R.B., von Feilitzsch, F., Winter, J., Wojcik, M., Wright, A., Wurm, M., Xu, J., Zaimidoroga, O., Zavatarelli, S., Zuzel, G., *Geo-neutrinos from 1353 Days with the Borexino Detector*. Physics Procedia 61, 340-344 (2015). DOI 10.1016/j.phpro.2014.12.073 ([pdf](#))

Agostini M., Appel S., Bellini G., Benziger J., Bick D., Bonfini G., Bravo D., Caccianiga B., Calaprice F., Caminata A., Cavalcante P., Chepurnov A., Choi K., D'Angelo D., Davini S., Derbin A., Di Noto L., Drachev I., Empl A., Etenko A., Fiorentini G., Fomenko K., Franco D., Gabriele F., Galbiati C., Ghiano C., GiamMarchi M., Goeger-Neff M., Goretti A., Gromov M., Hagner C., Houdy T., Hungerford E., Ianni A., Ianni A., Jedrzejczak K., Kaiser M., Kobychov V., Korabev D., Korga G., Kryn D., Laubenstein M., Lehnert B., Litvinovich E., Lombardi F., Lombardi P., Ludhova L., Lukyanchenko G., Machulin I., Manecki S., Maneschg W., Mantovani F., Marcocci S., Meroni E., Meyer M., Miramonti L., Misiaszek M., Montuschi M., Mosteiro P., Muratova V., Neumair B., Oberauer L., Obolensky M., Ortica F., Otis K., Pagani L., Pallavicini M., Papp L., Perasso L., Pocar A., Ranucci G., Razeto A., Re A., Ricci B., Romani A., Roncin R., Rossi N., Schönert S., Semenov D., Simgen H., Skorokhvatov M., Smirnov O., Sotnikov A., Sukhotin S., Suvorov Y., Tartaglia R., Testera G., Thurn J., Toropova M., Unzhakov E., Vogelaar RB., von Feilitzsch F., Wang H., Weinz S., Winter J., Wojcik M., Wurm M., Yokley Z., Zaimidoroga O., Zavatarelli S., Zuber K., Zuzel G. *Spectroscopy of geoneutrinos from 2056 days of Borexino data*. Physical Review D 92 031101(R), (2015). DOI10.1103/PhysRevD.92.031101 ([pdf](#))

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## **CONFERENCE PROCEEDINGS AND NOT PEER-REVIEWED PAPERS**

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## INVITED SPEAKER AT SCIENTIFIC CONGRESSES AND SUMMER SCHOOL

11-21 July 2016

[Using Particle Physics to Understand and Image the Earth](#) - Gran Sasso Scientific Institute - L'Aquila - Italy

7-8 January 2016

[1<sup>st</sup> International workshop for neutrino oscillation tomography](#) - Earthquake Research Institute - University of Tokyo

Title: *Last and next decade in geoneutrino measurements*

30-31 October 2015

[Workshop on Space Particles and Earth](#) - University of Évora - Portugal

Title: *Geo-neutrinos as a probe of Earth's interior*

15-16 January 2015

[International Workshop on KamLAND Geoscience](#) - Tokyo (Japan)

Title: *A Refined Reference Model for geoneutrinos at Borexino*

28 April - 2 May 2014

[Japan Geoscience Union Meeting 2014](#) - Pacifico Yokohama (Japan)

Title: *A reference Earth model for geoneutrinos*

21-23 March 2013

[Neutrino Geoscience 2013](#) - Takayama (Japan)

Title: *Geo-neutrinos: combined KamLAND and Borexino analysis, and future*

11-13 February 2013

[2nd International Conference on Po and radioactive Pb isotopes - INCO-PoPb-2013](#) - Mangalore (India)

Title: *Half-life of  $^{214}\text{Po}$  and  $^{212}\text{Po}$  measured with CTF at LNGS*

11-13 April 2012

[IFAE - Incontri di Physics delle Alte Energie](#) - Ferrara (Italy)

Title: *I geo-neutrini: una sonda per esplorare l'interno della Terra*

15-16 September 2011

[7<sup>th</sup> Applied Antineutrino Physics \(AAP\)](#) - Vienna (Austria)

Title: *Geo-neutrinos: phenomenology and experimental prospects*

5-9 September 2011

[12<sup>th</sup> International Conference on Topics in Astroparticle and Underground Physics \(TAUP\)](#) - Munich (Germany)

Title: *Towards a refined reference Earth model for geo-neutrinos*

21 June 2011

[Center for Theoretical Underground Physics and Related Areas \(CETUP\)](#) - Dakota State University - South Dakota (US)

Title: *Geoneutrinos: Global Crust Model and LNGS Study*

15 April 2011

[IV Scuola Nazionale "Rivelatori ed Elettronica per Physics delle Alte Energie, AstroPhysics, Applicazioni Spaziali e Physics Medica"](#) -

INFN National Laboratories of Legnaro (Italy)

Title: *The monitoring of the terrestrial radioactivity*

25 August 2010

[International Neutrino Summer School \(2010\)](#) - Yokohama / Tokai, J-PARC (Japan)

Title: *Geo-neutrinos: a new probe of Earth's interior*

2 July 2010

[Exotic Nuclei And Nuclear/Particle Astrophysics \(III\): From Nuclei To Stars \(CSSP\)](#) - Sinaia (Romania)

Title: *Geo-neutrinos: a new probe of Earth's interior*

19-21 October 2009

[LowNu \(2009\) - Neutrino Champagne](#) - Reims (France)

Title: *Towards a Refined Reference Model for Geo-neutrinos*

17-19 September 2008

[Neutrino Geoscience \(2008\)](#) - Sudbury (Canada)

Title: *Local Geology Relevant for Geoneutrinos at Gran Sasso*

11-15 September 2007

[International Conference on Topics in Astroparticle and Underground Physics \(TAUP\)](#) - Senday (Japan)

Title: *A roadmap for geo-neutrinos: theory and experiment*

14-16 December 2005

[Neutrino Geophysics](#) - Honolulu (Hawaii)

Title: *Geo-neutrino reference model and uncertainties*

#### **INVITATION SEMINARS IN OUTREACH CONFERENCES**

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11 March 2017 - Belluno

Title: *La radioattività attorno a noi*

Organizer: [Dolomiti in Scienza \(2017\)](#) - "Gruppo Divulgazione Scientifica - E. Fermi - Belluno"

5 October 2016

Title: "Nuclei per l'ambiente"

Organizer: [Comune di San Nicolò](#)

22 April 2016

Title: "Chernobyl ed il cinghiale: 30 anni di storia"

Organizer: [X Congresso Italiano di Teriologia - Associazione Teriologica Italiana](#)

12 March 2016

Title: "Esplorando il pianeta Terra con i geoneutrini"

Organizer: [Dolomiti in Scienza 2016 - Gruppo Divulgazione Scientifica Dolomiti E. Fermi](#)

12 March 2016

Title: "Esplorando il pianeta Terra con i geoneutrini"

Organizer: [Dolomiti in Scienza 2016 - Gruppo Divulgazione Scientifica Dolomiti E. Fermi](#)

22 April 2015

Title: "Nuclei per l'ambiente"

Organizer: [Comune di Legnaro](#)

28 March 2014

Title: "La radioattività attorno a noi"

Organizer: [Comune di Codognè](#)

21 March 2014

Title: "Esplorando il pianeta Terra con in Geoneutrini"

Organizer: [Museo Civico di Rovereto](#)

12 April 2013

Title: "Esplorando il Pianeta Terra con i Geoneutrini"

Organizer: [Venerdì dell'Universo](#) - University of Ferrara

25 March 2011 - Ravenna

Title: *Energia nucleare e radioattività: alcune sfide per il futuro*

Organizer: [I pomeriggi della Scienza al Liceo Oriani](#) - Liceo Scientifico Oriani

3 March 2011 - Ferrara

Title: *La radioattività naturale: da Marie Curie ai geo-neutrini*

Organizer: [Corso di Eccellenza](#) at the Department of Physics of the University of Ferrara

26 February 2011 - Belluno

Title: *La radioattività: un affascinante fenomeno fisico*

Organizer: [Dolomiti in Scienza \(2011\)](#) - Gruppo Divulgazione Scientifica - E. Fermi - Belluno

11 February 2011 - Massa

Title: *La radioattività: un affascinante fenomeno fisico*

Organizer: [Massa Scienza](#) - Comune di Massa - Assessorato Turismo, Cultura, Pubblica Istruzione e Gemellaggi

10 December 2010 - Rovereto

Title: *Caratterizzazione della radioattività ambientale attraverso spettroscopia gamma*

Organizer: [VII Workshop in GeoPhysics](#) - Museo Civico di Rovereto

## TEACHING

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2018-2019

- Frontiers of radiation monitoring in the environment (Master's Degree in Physics - University of Ferrara) - 48 hours - 6 CFU
- Nuclear and Subnuclear Astrophysics (Master's Degree in Physics - University of Ferrara) - 42 hours - 6 CFU
- Physics (Master's Degree in pharmacy - University of Ferrara) - 48 hours - 6 CFU

2017-2018

- Frontiers of radiation monitoring in the environment (Master's Degree in Physics - University of Ferrara) - 48 hours - 6 CFU
- Physics II (Bachelor's degree in Geological Sciences - University of Ferrara) - 48 hours - 6 CFU
- Physics II (Bachelor's degree in Information Technology - University of Ferrara) - 48 hours - 6 CFU

2016-2017

- Nuclear and Subnuclear Astrophysics (Master's Degree in Physics - University of Ferrara) - 42 hours - 6 CFU
- Physics II (Bachelor's degree in Geological Sciences - University of Ferrara) - 48 hours - 6 CFU
- Physics II (Bachelor's degree in Information Technology - University of Ferrara) - 48 hours - 6 CFU

2015-2016

- Nuclear and Subnuclear Astrophysics (Master's Degree in Physics - University of Ferrara) - 42 hours - 6 CFU
- Physics II (Bachelor's degree in Geological Sciences - University of Ferrara) - 48 hours - 6 CFU
- Physics II (Bachelor's degree in Information Technology - University of Ferrara) - 48 hours - 6 CFU

2014-2015

- Nuclear and Subnuclear Astrophysics (Master's Degree in Physics - University of Ferrara) - 42 hours - 6 CFU
- Physics II (Bachelor's degree in Geological Sciences - University of Ferrara) - 48 hours - 6 CFU

2013-2014

- Elements of Astrophysics (Bachelor's degree in Physics and Astrophysics - University of Ferrara) - 48 hours - 6 CFU
- Physics II (Bachelor's degree in Geological Sciences - University of Ferrara) - 48 hours - 6 CFU

2012-2013

- Elements of Astrophysics (Bachelor's degree in Physics and Astrophysics - University of Ferrara) - 48 hours - 6 CFU
- Physics II (Bachelor's degree in Geological Sciences - University of Ferrara) - 60 hours - 6 CFU

2011-2012

- Elements of Astrophysics (Bachelor's degree in Physics and Astrophysics - University of Ferrara) - 48 hours - 6 CFU
- Physics II (Bachelor's degree in Geological Sciences - University of Ferrara) - 60 hours - 6 CFU
- Physics Principles for Geology (Master in Applied Geophysics - University of Siena) - 36 hours - 4 CFU

2010-2011

- Elements of Astrophysics (Bachelor's degree in Physics and Astrophysics - University of Ferrara) - 48 hours - 6 CFU
- Physics II (Bachelor's degree in Geological Sciences - University of Ferrara) - 60 hours - 6 CFU

2009-2010

- Elements of Astrophysics (Bachelor's degree in Physics and Astrophysics - University of Ferrara) - 48 hours - 6 CFU
- Physics II (Bachelor's degree in Geological Sciences - University of Ferrara) - 60 hours - 6 CFU

2008-2009

- Elements of Astrophysics (Bachelor's degree in Physics and Astrophysics - University of Ferrara) - 48 hours - 6 CFU
- Physics II (Bachelor's degree in Geological Sciences - University of Ferrara) - 60 hours - 6 CFU
- Geophysics (Bachelor's degree in Geotechnologies - University of Siena) - 60 hours - 6 CFU

2007-2008

- Applied Geophysics (Master's Degree course in Applied Geology - University of Siena) - 60 hours - 6 CFU
- Fundamentals of Mathematics (Bachelor's degree in Geotechnologies - University of Siena) - 60 hours - 6 CFU
- Methods and Geological Technologies (Master in Geotechnologies for Archaeology - University of Siena) - 48 hours - 6 CFU

2006-2007

- Applied Geophysics (Master's Degree course in Applied Geology - University of Siena) - 24 hours - 3 CFU
- Fundamentals of Mathematics (Bachelor's degree in Geotechnologies - University of Siena) - 60 hours - 6 CFU
- Experimental Physics (Bachelor's degree in Geotechnologies - University of Siena) - 60 hours - 6 CFU
- Methods and Geological Technologies (Master in Geotechnologies for Archaeology - University of Siena) - 48 hours - 6 CFU

2005-2006



- Applied Geophysics (Master's Degree course in Applied Geology - University of Siena) - 16 hours - 2 CFU
- Fundamentals of Mathematics (Bachelor's degree in Geotechnologies - University of Siena) - 60 hours - 6 CFU
- Experimental Physics (Bachelor's degree in Geotechnologies - University of Siena) - 60 hours - 6 CFU
- Methods and Geological Technologies (Master in Geotechnologies for Archaeology - University of Siena) - 48 hours - 6 CFU

2004-2005

- Fundamentals of Mathematics (Bachelor's degree in Geotechnologies - University of Siena) - 60 hours - 6 CFU
- Experimental Physics (Bachelor's degree in Geotechnologies - University of Siena) - 60 hours - 6 CFU

2003-2004

- Fundamentals of Mathematics (Bachelor's degree in Geotechnologies - University of Siena) - 60 hours - 6 CFU
- Experimental Physics (Bachelor's degree in Geotechnologies - University of Siena) - 60 hours - 6 CFU

2002-2003

- Fundamentals of Mathematics (Bachelor's degree in Geotechnologies - University of Siena) - 48 hours - 6 CFU
- Information Technology (Bachelor's degree in Geotechnologies - University of Siena) - 48 hours - 6 CFU

### **PhD THESIS SUPERVISOR OR ASSISTANT SUPERVISOR**

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2017-2018 – PhD in Physics (XXX cycle) – University of Ferrara

[Gamma radiation: a probe for exploring terrestrial environment](#)

Student: Matteo Albèri

Supervisor: Fabio Mantovani

2016-2017 – PhD in Physics (XXIX cycle) – University of Ferrara

[New challenges in the spectral reconstruction of terrestrial gamma rays and reactor antineutrinos](#)

Student: Marica Baldoncini

Supervisor: Fabio Mantovani

2015-2016 – PhD in Physics (XXVIII cycle) – University of Ferrara

[Advanced modeling for studying antineutrinos and gamma rays coming from the Earth](#)

Student: Virginia Strati

Supervisor: Fabio Mantovani

2012-2013 – PhD in Natural Science (XXVI cycle) – University of Sassari

[New gamma-ray spectrometry methods for estimating K, U, Th concentrations in rocks of the Sardinia Batholith](#)

Student: Xhixha Kaçeli Merita

Supervisor: Giacomo Oggiano

Assistant supervisor: Fabio Mantovani

2011-2012 – PhD in Physics (XXV cycle) – University of Ferrara

[A refined reference Earth model for the geo-neutrino studies at Borexino](#)

Student: Viacheslav Chubakov

Supervisor: Giovanni Fiorentini

Assistant supervisor: Fabio Mantovani

2011-2012 – PhD in Physics (XXV cycle) – University of Ferrara

[Calibration and performances of in-situ gamma ray spectrometer](#)

Student: Manjola Shyti

Supervisor: Giovanni Fiorentini

Assistant supervisor: Fabio Mantovani

2010-2011 – PhD in Physics (XXIV cycle) – University of Ferrara

[Advances  \$\gamma\$ -ray spectrometry for environmental radioactivity monitoring](#)

Student: Gerti Xhixha

Supervisor: Giovanni Fiorentini

Assistant supervisor: Fabio Mantovani

2009-2010 – PhD in Environmental, geological and polar sciences and technologies (XXIII cycle) – University of Siena

[Caratterizzazione del contenuto di radioattività naturale nelle rocce del complesso metamorfico delle Alpi Apuane](#)

Student: Sara Mariani

Supervisor: Riccardo Salvini

Assistant supervisor: Fabio Mantovani

2007-2008 – PhD in Earth Science (XX cycle) – University of Siena

[Caratterizzazione elettrica di depositi argillosi di origine glaciale, marina ed idrotermale attraverso indagini in situ ed in laboratorio](#)

Student: Tommaso Colonna

Supervisor: Luigi Carmignani

Assistant supervisor: Fabio Mantovani

#### **MASTER THESIS SUPERVISOR OR ASSISTANT SUPERVISOR**

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2017-2018 – Master's Degree in Physics (University of Ferrara)

[Geoneutrinos from Potassium in the Earth](#)

Student: Andrea Serafini

Supervisor: Fabio Mantovani

Assistant supervisor: Baldoncini Marica

Assistant supervisor: Strati Virginia

2017-2018 – Master's Degree in Physics (University of Ferrara)

[Study of the rain-induced gamma activity due to atmospheric radon daughters](#)

Student: Gerard Grande Bartumeu

Supervisor: Fabio Mantovani

Assistant supervisor: Carlo Bottardi

2014-2015 – Master's Degree in Physics (University of Ferrara)

[Time and charge response of linear alkylbenzene scintillators for JUNO experiment](#)

Student: Ivan Battaglia

Supervisor: Fabio Mantovani

Assistant supervisor: Barbara Ricci

Assistant supervisor: Paolo Lombardi

2012-2013 – Master's Degree in Physics (University of Ferrara)

[Performance validation of a lightweight collimated gamma-ray spectrometer for in situ survey](#)

Student: Carolina Robustini

Supervisor: Fabio Mantovani

Assistant supervisor: Xhixha Gerti

2012-2013 – Master's Degree in Physics (University of Ferrara)

[Validation of a Monte Carlo method for the calibration of an airborne gamma-ray detector](#)

Student: Marica Baldoncini

Supervisor: Fabio Mantovani

Assistant supervisor: Xhixha Gerti

2011-2012 – Master's Degree in Geological Sciences and Technologies (University of Siena)

[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](#)

Student: Virginia Strati

Supervisor: Luigi Carmignani

Assistant supervisor: Fabio Mantovani

2009-2010 – Master's Degree in Physics (University of Ferrara)

[L'esplorazione del pianeta Terra attraverso i geo-neutrini](#)

Student: Golfarin Cristian

Supervisor: Fabio Mantovani

2008-2009 – Master's Degree in Applied Geology (Center for GeoTechnologies - University of Siena)

[La dispersione di onde superficiali: un approccio di analisi e processing dei dati](#)

Student: Piero Poli

Supervisor: Fabio Mantovani

Assistant supervisor: Tommaso Colonna

2008-2009 – Master's Degree in Applied Geology (Center for GeoTechnologies – University of Siena)

[L'impiego della spettroscopia ad impedenza per lo studio del contenuto idrico e di ghiaccio nei suoli: messa a punto di una strumentazione prototipale e di una metodologia d'acquisizione](#)

Student: Giulia Ricciardi

Supervisor: Fabio Mantovani

Assistant supervisor: Marco Bittelli

2008-2009 – Master’s Degree in Applied Geology (Center for GeoTechnologies – University of Siena)  
[L’importanza dei parametri geologici per l’ottimizzazione di sonde geotermiche applicate a pompe di calore: stime teoriche e casi di studio](#)

Student: Alfia Pasquini

Supervisor: Fabio Mantovani

Assistant supervisor: Tommaso Colonna

2007-2008 – Master’s Degree in Applied Geology (Center for GeoTechnologies – University of Siena)

[Caratterizzazione di depositi argillosi nella Sardegna nord-occidentale mediante modelli di resistività elettrica](#)

Student: Ivan Comes

Supervisor: Fabio Mantovani

Assistant supervisor: Tommaso Colonna

2007-2008 – Master’s Degree in Applied Geology (Center for GeoTechnologies – University of Siena)

[Studio di modelli di resistività finalizzati alla caratterizzazione di un acquifero in località Bassa \(Cerreto Guidi-Firenze\)](#)

Student: Catia Salvadori

Supervisor: Fabio Mantovani

Assistant supervisor: Claudio Rossi

2007-2008 – Master’s Degree in Applied Geology (Center for GeoTechnologies – University of Siena)

[La Paleofrana di Aulla: uno studio comparato dei modelli geologici, geomorfologici e di resistività](#)

Student: Italo Giuseppe Di Giovanni

Supervisor: Luigi Carmignani

Assistant supervisor: Fabio Mantovani

#### **BACHELOR THESIS SUPERVISOR OR ASSISTANT SUPERVISOR**

2016-2017 – Bachelor’s Degree in Geological Sciences (University of Ferrara)

[Modellazione dei geoneutrini prodotti dalla crosta superiore nell’intorno del detector SNO+ \(Canada\)](#)

Student: Sara Gizzi

Supervisor: Fabio Mantovani

Assistant supervisor: Virginia Strati

2016-2017 – Bachelor’s Degree in Geological Sciences (University of Ferrara)

[Studio del contenuto di radionuclidi naturali e del calore radiogenico delle rocce del complesso plutonico Carbonifero-Permiano sardo](#)

Student: Nicola Tesaro

Supervisor: Fabio Mantovani

Assistant supervisor: Virginia Strati

2015-2016 – Bachelor’s Degree in Physics (University of Ferrara)

[Esposizione della popolazione della regione Umbria ai raggi cosmici: modelli e distribuzioni spaziali](#)

Student: Cassandra Giulia Cristina Raptis

Supervisor: Fabio Mantovani

Assistant supervisor: Virginia Strati

2015-2016 – Bachelor’s Degree in Information Technology (University of Ferrara)

Sviluppo di un sistema client-server e di interfacce grafiche per l’analisi spettrometrica a bordo di un rivelatore portatile di radiazione gamma

Student: Enrico Chiarelli

Supervisor: Fabio Mantovani

Assistant supervisor: Matteo Turisini

2013-2014 – Bachelor’s Degree in Physics (University of Ferrara)

[Modelli di distribuzione di Radon in atmosfera finalizzati alla correzione di misure di spettroscopia gamma airborne](#)

Student: Nicola Ronca

Supervisor: Fabio Mantovani

Assistant supervisor: Marica Baldoncini

2011-2012 – Bachelor’s Degree in Physics (University of Ferrara)

[La distribuzione del fallout di <sup>137</sup>Cs in alcuni suoli delle Prealpi venete](#)

Student: Aurora Clerici

Supervisor: Fabio Mantovani

Assistant supervisor: Gerti Xhixha

2009-2010 – Bachelor's Degree in Physics and Astrophysics (University of Ferrara)

[Studio del segnale di anti-neutrini da reattore nell'esperimento Borexino](#)

Student: Silvia Vitali

Supervisor: Fabio Mantovani

Assistant supervisor: Barbara Ricci

2009-2010 – Bachelor's Degree in Physics and Astrophysics (University of Ferrara)

[La distribuzione angolare di anti-neutrini in un detector a liquido scintillante di grandi dimensioni: un caso di studio sul detector LENA](#)

Student: Provenzano Andrea

Supervisor: Fabio Mantovani

Assistant supervisor: Barbara Ricci

2008-2009 – Bachelor's Degree in Physics (University of Ferrara)

[Applicazione del metodo Non Negative Least Square alla Full Spectrum Analysis nel processo di calibrazione di uno spettrometro diraggi gamma portatile](#)

Student: Baldoncini Marica

Supervisor: Fabio Mantovani

Assistant supervisor: Carlos Rossi Alvarez

2007-2008 – Bachelor's Degree in Geotechnologies (Center for GeoTechnologies - University of Siena)

[Studio dell'efficacia del metodo della resistività elettrica su rocce Zeolitizzate, nella zona del Mejlogu \(SS\)](#)

Student: Riccardo Bianchi

Supervisor: Fabio Mantovani

Assistant supervisor: Tommaso Colonna

2007-2008 – Bachelor's Degree in Geotechnologies (Center for GeoTechnologies - University of Siena)

[Studio di tomografie elettriche finalizzato alla stima dei livelli saturi presso il lago Baratz \(SS\)](#)

Student: Marco Abbigliati

Supervisor: Fabio Mantovani

Assistant supervisor: Tommaso Colonna

2006-2007 – Bachelor's Degree in Geotechnologies (Center for GeoTechnologies - University of Siena)

[Caratterizzazione idrogeologica del Borro del Giglio \(Montevarchi\) attraverso indagini geofisiche](#)

Student: Riccardo Barletta

Supervisor: Fabio Mantovani

Assistant supervisor: Rudy Rossetto

2006-2007 – Bachelor's Degree in Geotechnologies (Center for GeoTechnologies - University of Siena)

[Prospezioni geoelettriche finalizzate allo studio delle argille in sistemi alluvionali nell'area della Nurra \(SS\)](#)

Student: Andrea Cacioli

Supervisor: Fabio Mantovani

Assistant supervisor: Tommaso Colonna

2005-2006 – Bachelor's Degree in Geotechnologies (Center for GeoTechnologies - University of Siena)

[Prospezioni geoelettriche per lo studio di un tratto di percorso dell'acquedotto romano in Località Sesto Fiorentino \(FI\)](#)

Student: Nadia Bianconi

Supervisor: Riccardo Salvini

Assistant supervisor: Fabio Mantovani

2005-2006 – Bachelor's Degree in Geotechnologies (Center for GeoTechnologies - University of Siena)

[Misure di resistività finalizzate allo studio ed alla modellazione della "villa romana" rinvenuta in località Torraccia di Chiusi \(San Gimignano - SI\)](#)

Student: Giulia Ricciardi

Supervisor: Fabio Mantovani

## CURRICULUM FORMATIVO E PROFESSIONALE

**PAOLA FABBRI**

### **Dati Personali e Contatti**

Nome e Cognome: Paola Fabbri

Qualifica Professionale: Funzionario di Amministrazione

Struttura INFN di Riferimento: INFN Sezione di Ferrara

Recapiti: Tel.: +39-0532-974280 - Fax: +39-0532-790003 - Mail: [paola@fe.infn.it](mailto:paola@fe.infn.it)

### **Attività Professionale**

Assunta in ruolo presso l'INFN di Ferrara il 9 ottobre del 1997 con la qualifica professionale di Collaboratore di Amministrazione fino al 31 dicembre 2009 e di Funzionario di Amministrazione dal 01 gennaio 2010.

Responsabile del Servizio di Direzione della Sede di Ferrara dal 2005. Nell'ambito di tale Servizio, oltre a coordinarlo, si occupa, in particolare, della gestione del personale, reclutamento, assegni di ricerca, convenzioni, elezioni.

Collabora con il Servizio di Amministrazione nell'ambito del quale si occupa di trasferte del personale dipendente e associato, gestione delle fatture, pagamenti missioni e fatture.

E' referente amministrativo dell'INFN TTLAB, costituito dalle Strutture di Ferrara, Bologna e CNAF, nell'ambito del quale si occupa della rendicontazione dei progetti a finanziamento regionale.

E' Responsabile del Fondo Economico della Sezione dal 1998. Tale attività comporta la gestione delle piccole spese effettuate per contanti.

E' Responsabile del Protocollo Informatico e Amministratore Locale dal 2004.

E' Referente Locale della Formazione dal 2009. Tale attività comporta la gestione dei fondi destinati alla formazione della Sezione di Ferrara, il coordinamento e l'assistenza al personale dipendente per l'effettuazione dei corsi approvati e gli adempimenti richiesti dalla CNF.

Componente del Comitato Unico di Garanzia dal 2011 al 2015.

Componente del Comitato Pari Opportunità dal 1999 al 2011.

Componente di diverse Commissioni per Selezioni di Personale.

## **Titoli di studio e corsi di formazione**

Laurea Specialistica in Economia Aziendale, Management e Professioni, conseguita nel 2008 presso l'Università degli Studi di Ferrara.

Laurea Triennale in Economia e Gestione delle Imprese e degli Intermediari Finanziari, conseguita nel 2005 presso l'Università degli Studi di Ferrara.

Diploma di Scuola Media di Secondo Grado in Perito Aziendale e Corrispondente in Lingue Estere, conseguito nel 1989 presso l'Istituto Tecnico "Marco Polo" di Ferrara.

Frequenza a diversi corsi di formazione dal 1998 ad oggi, promossi da INFN, INPS, Regione E.R., Camera di Commercio in materie contabili e di gestione del personale.

Paola Fabbri



Ferrara, 17 dicembre 2018

## CURRICULUM VITAE

GIANNA BARBIERO

### Dati personali e contatti

Nome e Cognome: Gianna BARBIERO  
Indirizzo: Selvazzano (PD), Italy  
Nazionalità: Italiana  
Data di nascita: 16.02.1969  
email: gianna.barbiero@Inl.infn.it

### Esperienza lavorativa

Date (da - a): dal 01.06.1989 al 31.08.1991  
Tipo di azienda o settore: industria metalmeccanica  
Datore di lavoro: Casiraghi Industriale SpA (Selvazzano - PD)  
Tipo di impiego: impiegata contabile  
Principali mansioni e responsabilità: contabilità clienti e fornitori, contabilità di cassa, contabilità bancaria, spedizioni all'estero.

Date (da - a): dal 01.09.1991  
Tipo di azienda o settore: ente di ricerca  
Datore di lavoro: ISTITUTO NAZIONALE DI FISICA NUCLEARE (I.N.F.N.) - Laboratori Nazionali di Legnaro (L.N.L.) - (Legnaro - PD)  
Tipo di impiego: collaboratore di amministrazione (V liv.)  
Principali mansioni e responsabilità: Responsabile del Servizio di Amministrazione dei LNL dal 01.06.2018.  
Coordinamento del servizio di amministrazione dei LNL.  
Gestione del bilancio e dei contratti annuali e pluriennali.  
Responsabile dell'Ufficio Gare ed Approvvigionamento dal 12.06.2012 al 31.05.2018.  
Gestione dei procedimenti per lavori, forniture e servizi.

#### Altre Attività svolte in ambito INFN:

Ordini di acquisto nazionali ed esteri ed operazioni contabili connesse.  
Cassiere dei LNL.  
Spedizioni extra UE e relative pratiche di temporanea-definitiva esportazione.  
Amministrazione e rilevazione inventariale dei materiali INFN e Università di PADOVA presso i LNL.

## **Istruzione e Formazione Professionale**

- 1988: Diploma di Analista Contabile conseguito presso I.I.S. Leonardo da Vinci di Padova.
- 1991/2018: Partecipa costantemente a corsi di formazione promossi principalmente da INFN e Scuola Superiore di Amministrazione Pubblica e degli Enti Locali in materia contrattuale, in materia di contabilità patrimoniale, finanziaria ed economica.

## **Ulteriori informazioni**

- Conoscenze informatiche: Pacchetto Office (base)
- Lingue: Inglese e tedesco scolastico
- Automunita: patente B

Gianna BARBIERO

