

Lista completa Pubblicazioni (in ordine cronologico)

Contributi sottomessi ():

Contributi a stampa ():

2020

1. Poli, P., **Boaga, J.**, Molinari, I., Cascone, V., Boschi, L., 2020, The 2020 coronavirus lockdown and seismic monitoring of anthropic activities in Northern Italy, Scientific Reports 10(1),9404
2. **Boaga, J.**, Viezzoli, A., Cassiani, G., (...), Tosi, L., Silvestri, S., Resolving the thickness of peat deposits with contact-less electromagnetic methods: A case study in the Venice coastland, 2020, Science of the Total Environment 737, 139361
3. Deiana, R., Vicenzutto, D., Deidda, G.P., **Boaga, J.**, Cupitò, M., Remote sensing, archaeological, and geophysical data to study the terramare settlements: The case study of Fondo paviani (Northern Italy), 2020, Remote Sensing 12(16), 2617
4. Cassiani, G., Bellizia, E., Fontana, A., **Boaga J.**, D'Alpaos, A., Ghinassi, M., 2020, Geophysical and sedimentological investigations integrate remote-sensing data to depict geometry of fluvial sedimentary bodies: An example from holocene point-bar deposits of the venetian plain (italy), Remote Sensing 12(16), 2691
5. Mary, B., Peruzzo, L., **Boaga, J.**, (...), S Hubbard, S., Cassiani, G. 2020. Time-lapse monitoring of root water uptake using electrical resistivity tomography and mise-à-la-masse: A vineyard infiltration experiment. SOIL 6, pp95-114
6. Cassiani, G., **Boaga, J.**, Barone, I., (...), Caputo, M.C., De Carlo, L. 2020, Ground-based remote sensing of the shallow subsurface: Geophysical methods for environmental applications, in Developments in Earth Surface Processes 23, pp. 55-89

2019

7. Sauermilch, I, Mateo, Z.R.P., **Boaga, J.** A comparative analysis of time–depth relationships derived from scientific ocean drilling expeditions. Marine Geophysical Research Volume 40, Issue 4, 1 December 2019, Pages 635-641
8. Ciampi P., Esposito C., Viotti P, **Boaga J.**, Cassiani G. Papini M.P.. An Integrated Approach Supporting Remediation of an Aquifer Contaminated with Chlorinated Solvents by a Combination of Adsorption and Biodegradation. Applied Science 2019, 9, 4318; doi:10.3390/app9204318
9. Hashemi Jokara M., **Boaga J.**, Petronio L., Perri M T, Strobbia C, Affattato A, Romero R, Cassiani G. 2019 Detection of lateral discontinuities via surface waves analysis: A case study at a derelict industrial site. Journal of Applied Geophysics Volume 164, May 2019, Pages 65-74 doi.org/10.1016/j.jappgeo.2019.03.008
10. Hashemi Jokar M., Rahnema H., **Boaga J.**, Cassiani G. and Strobbia C. 2019. Application of surface waves for detecting lateral variations: buried inclined plane. Near Surface Geophysics, 2019 doi: 10.1002/nsg.12059
11. **Boaga J** , Casarin F., De Marchi G., Valluzzi M.R. and Cassiani G. (2018). 2016 Central-

Italy earthquakes recorded by low cost MEMS distributed arrays, 2018, **Seismological Research Letter**, (2018) 90 (2A): 672-682, doi.org/10.1785/0220180198

12. Nasta, P., **Boaga**, J., Deiana, R., Cassiani, G., Romano, N. (2019) Comparing ERT- and scaling-based approaches to parameterize soil hydraulic properties for spatially distributed model applications *Advances in Water Resources*, 126, pp. 155-167.
DOI: 10.1016/j.advwatres.2019.02.014
13. Busato L, **Boaga J.**, Perri M. T., Majone B., Bellin A., Cassiani, (2019) Hydrogeophysical characterization and monitoring of the hyporheic and riparian zones: The Vermigliana Creek case study. **Science of The Total Environment**, Volume 648, 15 January 2019, Pages 1105-1120
14. Bossi, G., Bersan, S., Cola, S., Schenato L., De Polo F., Menegazzo, C., **Boaga, J.**, Cassiani, G., Donini, F., Simonini, P. Multidisciplinary analysis and modelling of a river embankment affected by piping(Book Chapter). *Lecture Notes in Civil Engineering*, Volume 17, 2019, Pages 234-244
15. Valluzzi, M.R., Marson, C., Taffarel, S., Salvalaggio, M., Deiana, R., **Boaga, J.**, Structural Investigations and Modelling of Seismic Behaviour on Ruins in the Monumental Area of Hierapolis of Phrygia(Book Chapter) *RILEM Bookseries*. Volume 18, 2019, Pages 1849-1857
16. The Remote Sensing of Geomorphology, P.Tarolli and S.M. Mudd (eds), A.A. Elsevier book series **Developments in Earth Surface Processes**.

2018

17. D'Alpaos, Andrea; Cusumano, Mario; Viero, Daniele Pietro; **Boaga**, Jacopo; Cassiani, Giorgio. Flood mapping due to levee failure: the case of the Roncagette River, Atti workshop Citizen Observatories for natural hazards and Water Management, 2018
18. Trevisani S, **Boaga J.** (2018) Passive seismic prospecting in Venice historical center for impedance contrast mapping. **Environmental Earth Sciences**, Volume 77, Issue 21
19. C. Larsen, G. Mohn, M. Nirrengarten, Z. Sun, J. Stock, Z. Jian, A. Klau6, C. A. Alvarez-Zarikian, J. **Boaga**, S. A. Bowden et al. Rapid transition from continental breakup to igneous oceanic crust in the South China Sea, **Nature Geoscience**, doi.org/10.1038/s41561-018-0198-1
20. Rossi G, Accaino F, **Boaga J**, Petronio L, Romeo R, Wheeler W. Seismic survey on an open pingo system in Adventdalen Valley, Spitsbergen, Svalbard 2018 **Near Surface Geophysics**, 2018, 16, 89-103 doi:10.3997/1873-0604.2017037
21. **Boaga J.** La sismicità del Veneto tra eventi storici e recenti. *Geologia dell'Ambiente*. Supplemento al n. 1/2018. ISSN 1591-5352 (2018)
22. **Boaga J**, Ghinassi M, D'Alpaos A, Deidda G.P., Rodriguez G, Cassiani G. Geophysical investigations unravel the vestiges of ancient meandering channels and their dynamics in tidal landscapes, **Scientific Reports** , 2018. 8:1708 | DOI:10.1038/s41598-018-20061-5
23. Trevisani S, **Boaga J**, Geostatistical mapping of the shallow seismic impedance contrast in Venice (Italy), SSS12.1/GI1.11/GM2.14 – Abstract 12046 Learning from spatial data: unveiling

the geo-environment through quantitative approaches (co-organized), presented at 2018 EGU Meeting, Vienna, Austria

24. Castiglioni G, Lafluent L, **Boaga J**, Agnini C, Martin S. Paleoseismicity, active faulting, surface deformation, and the implications on seismic hazard assessment, Abstract EGU2018-6757, submitted to TS5.1/NH4.8/SM3.02 – (Fault2SHA) (co-organized) presented at 2018 EGU Meeting, Vienna, Austria
25. Mary B, , Peruzzo L, **Boaga J**, Schmutz ; Wu Y., Hubbard S.S. and Cassiani G. The use of hydro-geophysical monitoring for the identification of root-water-uptake patterns: ERT and MALM experiments in a vineyard, Abstract EGU2018-3945., submitted to HS8.1.2 – Hydrogeophysics for the critical zone presented at 2018 EGU Meeting, Vienna, Austria (Invited)
26. Valluzzi MR, Marson C, Taffarel S, Salvalaggio M, Deiana R, **Boaga J**. Structural investigations and modelling of seismic behaviour on ruins in the monumental area of Hierapolis of Phrygia, Conference on Structural Analysis of Historical Constructions – presented at SAHC 2018, Cusco , Peru, 11-13 Sept. 2018
27. Cultrera M, **Boaga J.**, Di Sipio W., Dalla Santa G; De Seta M. Galgaro A. Modelling an induced thermal plume with data from electrical resistivity tomography and distributed temperature sensing: a case study in northeast Italy, **Hydrogeology Journal** 01 2018, Pages 1-15
28. Vanella D., Cassiani G., Busato L., **Boaga J.**, Barbagallo S., Binley A., Consoli S. Use of small scale electrical resistivity tomography to identify soil-root interactions during deficit irrigation. **Journal of Hydrology**. Volume 556, January 2018, Pages 310-324 doi.org/10.1016/j.jhydrol.2017.11.025

2017

29. Sauermilch I, **Boaga J**, Mateo Z, A comparison of petrophysical data inputs for establishing time-depth relationships: a guide for future drilling expeditions, Abstract Id. N° 227550, Paper N° T33A-0695, presented at 2017 Fall Meeting, AGU, New Orleans, LA, 11-15 Dec.
30. **Boaga J**, Mary B, Peruzzo L, Schmutz ; Wu y, Hubbard S.S. and Cassiani G, 3D Electrical Resistivity Tomography and Mise-à-la-Masse Method as Tools for the Characterization of Vine Roots, Abstract Id.: H31B-1511 Paper nb: 219556, presented at 2017 Fall Meeting, AGU, New Orleans, LA, 11-15 Dec.
31. Cassiani G., **J. Boaga**, L. Busato, M.T. Perri, 2017, Characterization and monitoring of the riparian and hyporheic zones, invited talk, GELMON 2017, Fourth International Workshop on Geoelectrical Monitoring, Vienna, November 22-24, 2017.
32. D. Vanella, G. Cassiani, L. Busato, **J. Boaga**, S. Consoli. APPLICATION OF ELECTRICAL RESISTIVITY TOMOGRAPHY TO MONITOR THE SOIL-ROOT INTERACTIONS UNDER DEFICIT IRRIGATION . Convegno Nazionale Gruppo Nazionale Geofisica Terra Solida 2017, 14-16 Novembre Trieste ISBN 978-88-940442-8-7
33. **Boaga J**. Sauermilch I, Mateo Z. A comparison of petrophysical data inputs for establishing time-depth relationships: a guide for future drilling expeditions. American Geophysical Union Abstract ID 227550
34. **Boaga J** , M. Hashemi Jokar, L. Petronio, R. Romeo, A. Affatato, M. Rossi, M.T. Perri , G. Cassiani. Surface waves analysis to detect buried lateral discontinuities: a case study in the Trieste port area. Convegno Nazionale Gruppo Nazionale Geofisica Terra Solida 2017, 14-16 Novembre Trieste ISBN 978-88-940442-8-7
35. Mary B, Peruzzo L, **Boaga J**, Schmutz M, Wu Y, Hubbard S, Cassiani G. Small scale characterization of vine plant Root Water Uptake via 3D electrical resistivity tomography and Mise-à-la-Masse method: a case study in a Bordeaux Vineyard (France). Convegno Nazionale Gruppo Nazionale Geofisica Terra Solida 2017, 14-16 Novembre Trieste ISBN 978-88-940442-8-7
36. **Boaga J**. The Use of Surface Waves in Geotechnical Engineering, which Future? **J Geol**

37. **Boaga J**, The use of FDEM in Hydrogeophysics, **Journal of Applied Geophysics**, doi:10.1016/j.jappgeo.2017.02.011
38. Trevisani S, **Boaga J**, Galgaro A, Agostini L. Insights into bedrock surface morphology using low-cost passive seismic surveys and integrated geostatistical analysis. 2017. **Science of the Total Environment**, Volume 578, Pages 186-202

2016

39. Cassiani G, **Boaga J.**, Busato L., Peruzzo L., Himi M., Casas A. Combined geophysical surveys for the characterization of a reconstructed river embankment 2016 (Conference Paper). 22nd European Meeting of Environmental and Engineering Geophysics, Near Surface Geoscience 2016
40. Busato L., **Boaga J.**, Peruzzo L., Himi M, Cola S., Bersan S., Cassiani G. 2016. Combined geophysical surveys for the characterization of a reconstructed river embankment. **Engineering Geology**. Vol.211 pg 74-84, doi:10.1016/j.enggeo.2016.06.023
41. **Boaga J**, Renzi S., Deiana R., Cassiani G. Soil damping influence on seismic ground response: A parametric analysis for weak to moderate ground motion. **Soil Dynamic and Earthquake Engineering** 79 (2015) 71–79 10.1016/j.soildyn.2015.09.002
42. **Boaga J**. Il dato e l'interpretazione: il problema mal posto. 2016. Atti Workshop di Geofisica di Rovereto N,12 2015 ISBN Ed Osiride.
43. Galgaro A. Cultrera M, Di Sipio E, **Boaga J**, Dalla Santa G, Groundwater model of single well tracer test coupling Fiber-Optic Distributed Temperature Sensing and Electrical Resistivity Tomography. The Villaverla case study (Italy). Proc. 43th Int. Ass. Hydrogeol. Congress , Montpellier, France, Sept. 2016
44. Petronio L, **Boaga J**, Cassiani G. Characterization of the Vajont landslide (North-Eastern Italy) by means of reflection and surface wave seismic. **Journal of Applied Geophysics**. Doi 10.1016/j.jappgeo.2016.03.012
45. Accaino, F., **Boaga, J.**, Petronio, L., Romeo, R., Wheeler, W. 2015 . Seismic analysis of a pingo, Svalbard Islands, Near Surface Geoscience 2015 - 21st European Meeting of Environmental and Engineering Geophysics, pp. 301-305
46. Vanella D, **Boaga J** et al. Micro 3D ERT tomography for data assimilation modelling of active root zone HS8.3.1/SSS7.11. EGU General Assembly 2016
47. **Boaga J**, L Busato, MT Perri and G. Cassiani. Time-lapse ERT and DTS for seasonal and short-term monitoring of an alpine river hyporheic zone. Geophysical Research Abstracts Vol. 18, EGU2016-4159, 2016 EGU General Assembly 2016
48. **Boaga J**, S Trevisani, L Agostini, A Galgaro. Geostatistic applied to seismic noise measurements for hydrothermal basin characterization, Geophysical Research Abstracts Vol. 18, EGU2016-4172, 2016 EGU General Assembly 2016
49. **Boaga J**, Carrer M, Fedrizzi F, Martin S, Vigano A. Integrated geophysical-geological model for seismic local site response: the Caldes alpine slope case (Southern Alps, NE Italy). **Environmental Earth Sciences**. (2016) 75:160 DOI: 10.1007/s12665-015-5082-3
50. Vignoli, G., Gervasio, I., Brancatelli, G., **Boaga, J.**, Della Vedova, B. and Cassiani, G. (2016), Frequency-dependent multi-offset phase analysis of surface waves: an example of high-resolution characterization of a riparian aquifer. **Geophysical Prospecting**. Doi:10.1111/1365-2478.12256
51. Cassiani G., **Boaga J.**, Rossi M., Putti M., Fadda G., Majone B., Bellin A., Soil–plant interaction monitoring: Small scale example of an apple orchard in Trentino, North-Eastern Italy, 2016. **Science of the Total Environment** 543 (2016) 851–861

2015

52. **Boaga J**, Busato L, Vanella D, Consoli S, Binley A, Cassiani G, Micro 3D ERT tomography for data assimilation modelling of active root zone, H51R-02, Proc. Agu meeting 2015
53. Arato, **J. Boaga**, C. Comina, M. De Seta, E. Di Sipio, A. Galgaro, N. Giordano and G. Mandrone. Geophysical monitoring for shallow geothermal applications – two Italian case histories. **First Break**, Issue: Vol 33, No 8, August 2015 pp. 75 – 79
54. Strobbia C., **Boaga J.**, Cassiani G. Double-Array Refraction Microtremors, **Journal of Applied Geophysics** Volume 121, October 2015, Pages 31–41 doi:10.1016/j.jappgeo.2015.07.007,
55. Cassiani G, **Boaga J**, Vanella D, Perri MT and S. Consoli Monitoring and modelling of soil–plant interactions: the joint use of ERT, sap flow and Eddy Covariance data to characterize the volume of an orange tree root zone. **Hydrol. Earth Syst. Sci.** 11, 13353-13384, 2015 doi:10.5194/hessd-11-13353-2014
56. Agostini L, **Boaga J**, Galgaro A, Ninfo A, 2015, "HVSr technique in near surface thermal-basin characterization: the example of the Caldiero district (North-East Italia)", **Environmental Earth Sciences**, *in press*, DOI: 10.1007/s12665-015-4109-0
57. Vanella D., **J. Boaga**, M.T. Perri, S. Consoli and G. Cassiani, 2015, Modelling orange tree root water uptake active area by minimally invasive ERT data and transpiration measurements, EGU General Assembly 2015 Proc., Vienna, 12-17 April 2015.
58. Cassiani G., **J. Boaga**, L. Busato, M.T. Perri, M. Putti, B. Majone, A. Bellin, 2015, Time Lapse Electrical Resistivity Tomography and Distributed Temperature Measurements in the Hyporheic Zone of an Alpine River, EGU General Assembly 2015 Proc, Vienna, 12-17 April 2015.
59. Vignoli G., I. Gervasio, G. Brancatelli, **J. Boaga**, B. Della Vedova and G. Cassiani, 2015, Use of frequency-dependent multi-offset phase analysis of surface waves for a riparian zone characterization, EGU General Assembly 2015, Vienna, Proc online, 12-17 April 2015.
60. Busato L., D. Vanella, **J. Boaga**, G. Manoli, M. Marani, M. Putti, S. Consoli, A. Binley and G. Cassiani, Identification of active root zone by data assimilation techniques: monitoring and modelling of irrigation experiments, EGU General Assembly 2015, Vienna, 12-17 April 2015.
61. **Boaga J.**, L. Busato, M.T. Perri and G. Cassiani, 2015, ERT and DTS time-lapse monitoring of an Alpine river hyporheic zone, GNGTS – 34° Congresso Nazionale, Trieste, 17-19 novembre 2015.
62. Rossi M., **J. Boaga**, G. Vignoli, G. Cassiani, R. Romeo, L. Petronio, A. Affatato, A. Barbagallo, 2015, An example of surface wave analysis in a dismissed and heterogeneous coastal oil deposit, GNGTS – 34° Congresso Nazionale, Trieste, 17-19 novembre 2015.
63. Romeo R., L. Petronio, A. Affatato, A. Barbagallo, R. Belletti, G. Boehm, **J. Boaga**, G. Cassiani, P. Paganini, M. T. Perri, D. Sörgo, M. Rossi, 2015, Geophysical investigations in a dismissed industrial site: ex-Esso (Trieste, Italy), GNGTS – 34° Congresso Nazionale, Trieste, 17-19 novembre 2015
64. G. Vignoli, I. Gervasio, G. Brancatelli, **J. Boaga**, B. Della Vedova, G. Cassiani, 2015, A novel frequency-dependent MOPA of surface wave: theory and applications, GNGTS – 34° Congresso Nazionale, Trieste, 17-19 novembre 2015.
65. Deidda G.P., **J. Boaga**, M. Ghinassi, A. D'Alpaos, G. Cassiani, 2015, Venice salt marsh meander evolution via multi-frequency inversion of FDEM data, GNGTS – 34° Congresso Nazionale, Trieste, 17-19 novembre 2015.
66. Busato L., **J. Boaga**, L. Peruzzo, G. Asta, S. Cola, P. Simonini, G. Cassiani, 2015, Study of a reconstructed river embankment through a combination of non-invasive geophysical methodologies, GNGTS – 34° Congresso Nazionale, Trieste, 17-19 novembre 2015.

2014

67. **Boaga, J.**, A. D'Alpaos, G. Cassiani, M. Marani, and M. Putti (2014), Plant-soil interactions in salt marsh environments: Experimental evidence from electrical resistivity tomography in the Venice Lagoon, **Geophys. Res. Lett.**, 41, doi:10.1002/2014GL060983.
68. Perri M.T., **Boaga J.**, Cassiani G., Simonini P., River embankment characterization: an integrated approach using geophysical and geotechnical technique, **Journal of Applied Geophysics**, Volume 110, November 2014, Pages 5–22 DOI: 10.1016/j.jappgeo.2014.08.012
69. Galgaro A., **Boaga J.**, Rocca M. HVSr technique as tool for thermal-basin characterization: a field example in N-E Italia, **Environmental Earth Science**, N. 4433, Volume:71. Issue: 10. 2014. DOI: 10.1007/s12665-013-2838-5
70. **Boaga J.**, Vignoli G., Deiana R., Cassiani G. 2013, The influence of subsoil structure and acquisition parameters in MASW mode misidentification, **Journal of Environmental and Engineering Geophysics**, June 2014, v. 19, p. 87-99, doi:10.2113/JEEG19.2.87
71. Ursino N., Cassiani G., Deiana R. and **J. Boaga**, Measuring and Modelling water related soil - vegetation feedbacks in a fallow plot, **Hydrology and Earth System Sciences**, 2014, 18 (3), pp. 1105-1118
72. Cassiani G., Binley A., Kemna A., Wehrer M., Orozco A., Deiana R., **Boaga J.**, Rossi M., Dietrich P., Werban U., Zschornack L., Godio A., JafarGandomi A. and Deidda G.P. Non-invasive characterization of the Trecate (Italy) crude-oil contaminated site: links between contamination and geophysical signals. **Environmental Science and Pollution Research**, Vol 21, n.15
73. **Boaga J.**, L. Busato, M.T. Perri, G. Strapazzon, D. Pasetto, M. Putti, K. Cano Paoli, B. Majone, A. Bellin, G. Cassiani, 2014, Time lapse Electrical Resistivity Tomography and Distributed Temperature measurements and modeling in the hyporheic zone of an alpine river, AGU Fall Meeting, San Francisco, December 2014.
74. Cassiani G., **J. Boaga**, D. Vanella, M.T. Perri, S. Consoli, 2014, Monitoring and Modelling of Soil-Plant Interactions: the Joint Use of ERT, Sap flow and Eddy Covariance to Define the Volume of Orange Tree Active Root Zones, AGU Fall Meeting, San Francisco, December 2014.
75. Busato L., **J. Boaga**, M.T. Perri, G. Cassiani, 2014, Time-lapse monitoring of the hyporheic zone of an alpine river using non-invasive methodologies, GNGTS – 33° Congresso Nazionale, Bologna, 25-27 novembre 2014.
76. **Boaga J.**, C. Strobbia, G. Cassiani, 2014, L-shaped array refractions microtremors (LeMi), GNGTS – 33° Congresso Nazionale, Bologna, 25-27 novembre 2014. ISBN 978-88-940442-3-2
77. Cassiani G., S. Consoli, M.T. Perri, D. Vanella, **J. Boaga**, 2014, Monitoring of soil-plant interactions via geophysical methods, GNGTS – 33° Congresso Nazionale, Bologna, 25-27 novembre 2014. ISBN 978-88-940442-3-2
78. **Boaga J.**, L. Busato, M.T. Perri, G. Strapazzon, A. Bellin, G. Cassiani, 2014, Time lapse Electrical Resistivity Tomography and Distributed Temperature measurements in the hyporheic zone of an alpine river, Geological Society of America, Annual Meeting, Vancouver, Canada, October 2014. Programs Vol. 46, No. 6 Abstract No: 247893
79. Rossi G., Accaino F, **Boaga J.**, Petronio L, Romeo R, Wheeler W, ' A seismic survey at Adventdalen, Svalbard Islands (Norway) for Permafrost studies: the Impervia Project. Proc. GNGTS 2014. ISBN 978-88-940442-3-2
80. Trevisani S, Rocca M, and **Boaga J** Geophysical techniques in the historical center of Venice (Italia): preliminary results from HVSr and multichannel analysis of surface waves Geophysical Research Abstracts Vol. 16, EGU2014-5641, 2014 EGU General Assembly 2014 © Author(s) 2014. CC Attribution 3.0 License.

81. Bianchi V, Ghinassi M, Aldinucci M, **Boaga J**, Brogi A, Deiana R, Picozzi M., Tectonically driven deposition and landscape evolution within upland incised valleys: Ambra Valley fill, Pliocene–Pleistocene, Tuscany, Italia, **Sedimentology**, DOI:10.1111/sed.12165
82. Vannella D.; **Boaga J.**; Perri M.T.; Consoli S.; Cassiani G. Studio delle interazioni suolo-vegetazione-atmosfera mediante tomografia elettrica e tecniche micrometriche. Poster Proceeding IDRA 2014 Convegno nazionale di Idraulica e Costruzione Idrauliche, Bari 8-10 Settembre 2014

2013

83. **Boaga J**, Vignoli G. Deiana R., Cassiani G. The influence of subsoil structure and acquisition parameters on surface wave mode misidentification, **Journal of Environmental and Engineering Geophysics** doi:10.2113/JEEG19.2.87
84. **Boaga J.**, Cassiani G., Strobbia C., Vignoli G., 2012. Mode mis-identification in Rayleigh waves: ellipticity as a cause and a cure. **Geophysics**, N.78 (4), 1-12, doi: 10.1190/GEO2012-0194.1.
85. Fidolini, F., Ghinassi, M., Aldinucci, M., Billi, P., **Boaga, J.**, Deiana, R., Brivio, L. Fault-sourced alluvial fans and their interaction with axial fluvial drainage: An example from the Plio-Pleistocene Upper Valdarno Basin (Tuscany, Italia), **Sedimentary Geology** 2013 , Volume 289, 1 May 2013, Pages 19–39
86. Cassiani G., A. Binley, A. Kemna, M. Wehrer, A. Flores Orozco, R. Deiana, **J. Boaga**, M. Rossi, P. Dietrich, U. Werban, L. Zschornack, A. Godio, A. JafarGamdomi, G.P. Deidda, 2013, Non-invasive characterization of the Trecate (Italy) crude-oil contaminated site: links between contamination and geophysical signals, invited talk, AGU Fall Meeting, San Francisco, 9-13 December 2013.
87. **Boaga J.** An efficient tool for Cultural Heritage seismic soil classification: FTAN method in Venice historical centre and its lagoon (Italia), **Geosciences Journal**, 17(3) 2013 DOI 10.1007/s12303-013-0025-9
88. Cassiani G., **J. Boaga**, M. Rossi, A. D'Alpaos, G. Fadda, M. Putti, M. Marani, 2013, Time-lapse ERT for the monitoring of soil-plant interactions in the root zone, invited talk, AGU Fall Meeting, San Francisco, 9-13 December 2013.
89. **Boaga J.**, S. Consoli, R. Papa, G. Cassiani, 2013, Soil-plant-atmosphere water balance via time-lapse 3D Electrical Resistivity Tomography and Eddy covariance measurements, AGU Fall Meeting, San Francisco, 9-13 December 2013.
90. Perri M.T., **J. Boaga**, S. Bersan, S. Cola, G. Cassiani, R. Deiana, P. Simonini, S. Patti 2013, On the applicability of different geophysical techniques to river embankments characterization: a case study in Veneto Region (Italy), GNGTS – 32° Congresso Nazionale, Trieste, 19-21 novembre 2013.
91. Mazzalai L., Boaga J, Rossi M., Martin S., Cassiani G., and Viganò A. The geoelectrical survey: a powerful tool for the identification of fault zones (2) EGU 2013 Abstract EGU2013-3970 Geophysical Research Abstracts Vol. 15, EGU2013-3970, 2013 EGU General Assembly 2013
92. **Boaga J**, Rossi M., Cassiani G., and Putti M. Time-lapse 3D electrical resistivity tomography to monitor soil-plant interactionsby Abstract EGU2013-9656 Geophysical Research Abstracts Vol. 15, EGU2013-9656, 2013 EGU General Assembly 2013
93. **Boaga J**, M.Rossi, G.Cassiani. MONITORING SOIL-PLANT INTERACTIONS IN AN APPLIED ORCHARD USING 3D ELECTRICAL RESISTIVITY TOMOGRAPHY **Procedia Environmental Sciences** Special issue N.79. International Conference on Monitoring and Modeling Soil-Plant-Atmosphere Processes, Napoli,19-20 June 2013 Doi: 10.1016/j.proenv.2013.06.045
94. Petronio L, Boaga J, Cassiani G. Reflection Seismic and Surface wave analysis on complex heterogeneous media: the case of Mt Toc landslide in Vajont valley. Italian Journal of

2012

95. Cassiani G., Ursino N., Deiana R., Vignoli G., **Boaga J.**, Rossi M., Perri M.T., Blaschek M., Duttmann R., Meyer S., Ludwig R., Soddu A., Dietrich P. and Werban U. Non-invasive monitoring of soil static characteristics and dynamic states: a case study highlighting vegetation effects. **Vadose Zone Journal** Special Issue on SPAC-Soil-plant interactions from local to landscape scale N.3 August 2012, V.11, vzj2011.0195, doi: 10.2136/2011.0195.
96. **Boaga J.**, Vignoli G. and Cassiani G. Reply to Comment on "Shear wave profiles from surface wave inversion: the impact of uncertainty on seismic site response analysis" **Journal of Geophysics and Engineering** n. 9, 244, doi:10.1088/1742-2132/9/2/244
97. Vignoli G., Cassiani G., Rossi M., Deiana R., **Boaga J.** Fabbri P. An integrated geophysical approach for the characterization of a small pre-alpine catchment. **Journal of Applied Geophysics**, 80, 32–42 doi:10.1016/j.jappgeo.2012.01.007
98. **Boaga J.**, Renzi S., Vignoli G., Deiana R., Cassiani G. From surface wave inversion to seismic site response prediction: beyond the 1D approach. **Soil Dynamic and Earthquake Engineering**, eds Elsevier 36(2012)38–51 DOI:10.1016/j.soildyn.2012.01.001
99. Iliceto V.; **Boaga J.** Sismicità della Provincia di Venezia in Temprini Storici e di Classificazione Territoriale in 'Atlante geologico della provincia di Venezia', AA. VV., *Provincia di Venezia*, ISBN: 978-88-907207-0-3. 2012

2011

100. **BOAGA J.**, VIGNOLI G., CASSIANI G. *Shear wave profiles from surface wave inversion: the impact of uncertainty onto seismic site response analysis*. **Journal of Geophysics and Engineering** N. 8 (2011) 162–174 doi:10.1088/1742-2132/8/2/004
101. **Boaga J.**, Vignoli G., Deiana R., Cassian G. "Onde superficiali e contaminazione modale: dall'evidenza sperimentale alla verifica teorica", Atti VIII Workshop di Geofisica Museo Civico di Rovereto, Rovereto (Tn), 2 dicembre 2011. ISBN 9788874981793 ed. Osiride
102. R. Deiana, G. Cassiani, G. Vignoli, **J. Boaga**, N. Ursino, M. Blaschek, R. Duttmann, S. Meyer, R. Ludwig, A. Soddu, P. Dietrich, U. Werban GEOPHYSICAL MONITORING OF SOIL STATIC AND DYNAMIC CHARACTERISTICS Atti 30° congresso GNGTS 14-17 novembre 2011, Trieste ISBN 978-88-902101-6-8
103. **BOAGA J.** DEIANA R. CASSIANI G. *The influence of random soil damping on linear-equivalent seismic response analysis* Atti 30° congresso GNGTS 14-17 novembre 2011, Trieste ISBN 978-88-902101-6-8
104. Petronio L., **Boaga J.**, Cassiani G. *Reflection Seismic and Surface wave analysis on complex heterogeneous media: the case of Mt Toc landslide in Vajont valley* Atti 30° congresso GNGTS 14-17 novembre 2011, Trieste ISBN 978-88-902101-6-8
105. Gervasio, G. Brancatelli, B. Della Vedova, **J. Boaga**, G. Vignoli, G. Cassiani, E. Forte CARATTERIZZAZIONE DEL SITO TEST DI TURRIACO MEDIANTE METODOLOGIE GEOFISICHE INTEGRATE Atti 30° congresso GNGTS 14-17 novembre 2011, Trieste ISBN: 978-88-902101-6-8
106. F. Fidolini, M. Ghinassi, L. Brivio, M. Aldinucci, **J. Boaga** and R. Deiana (2011). Depositional trends and interaction with axial fluvial drainage in fault-sourced alluvial fans (Upper Valdarno Basin, Northern Apennines, Italia). 28th IAS meeting. 5th-8th July 2011, Zaragoza, Spain.
107. Bianchi, V., Ghinassi, M., Aldinucci, M., **Boaga J.**, Deiana, R. (2011). The Plio-Pleistocene fluvial deposits of the Ambra valley (Tuscany, Italia): An example of tectonically-controlled valley fill succession. RENDICONTI ONLINE DELLA SOCIETÀ GEOLOGICA ITALIANA, vol. 17, ISSN: 2035-8008, doi: 10.3301
108. V. Bianchi, M. Ghinassi, M. Aldinucci, **J. Boaga** and R. Deiana (2011). Fluvial response to tectonic deformation: the Ambra Plio-Pleistocene incised-valley deposits (Tuscany, Italia). Atti

2010

109. **BOAGA J.**, VACCARI F., PANZA F.G. (2010), *Shear wave structural models of Venice Plain, Italia, from Time Cross-Correlation of seismic Noise*. **Engineering Geology** n.116 2010, eds Elsevier doi:10.1016/j.enggeo.2010.09.001
110. **BOAGA J.**, ILICETO V., ZEZZA F. (2010), *Indexes and physical parameters for the litho-stratigraphic model of Venice* Atti Convegno 'Natura e geodinamica della litosfera nell'alto Adriatico' Venezia, Palazzo Loredan, 5-6 Novembre 2009, in **Rendiconti dei Lincei, Supplement** to Vol 21 (2010), eds Springer DOI 10.1007/s12210-010-0092-2 **
111. CASSIANI G., DEIANA R., **BOAGA J.**, VIGNOLI G., ROSSI M., MARANI M., PUTTI M., ALTISSIMO M., BELLIN A., and CIANELLI O. *Hydro-geophysics for hillslope hydrology* Geophysical Research Abstracts Vol. 12, EGU2010-15433, 2010 EGU General Assembly 2010 ISSN 1029-7006
112. **BOAGA J.**, RENZI S., VIGNOLI G., DEIANA R., CASSIANI G. *The importance of a 2D approach in surface wave inversion: consequences on seismic site response analysis*. In Atti XXIX Convegno Gruppo Nazionale di Geofisica della Terra Solida, Prato 26-28 ottobre 2010 ISBN 978-88-902101-5-0
113. **BOAGA J.**, DEIANA R., MAJONE B., G. CASSIANI G. *Micro Tomografia Elettrica 3D applicata alla fisiologia vegetale: un caso in Val di Non (Tn)*. Atti VII Workshop di Geofisica Museo Civico di Rovereto: Geofisica e microgeofisica, strumenti per l'approccio e la risoluzione di problematiche non standard. 10/12/2010 Rovereto (Tn); Ed. Osiride 2010. ISBN 978-88-7498-160-1

2009

114. **BOAGA J.**, VIGNOLI G. CASSIANI G. (2009) *Rilevanza dei processi di inversione di modelli di Vs nella risposta sismica locale* Atti Convegno Gruppo Nazionale Geofisica della Terra Solida, 16-19 novembre 2009, Trieste. ISBN 88-902101-4-1
115. **BOAGA J.**, ILICETO V (2009). *Metodologie per la definizione di modelli di Vs del sottosuolo e loro influenza nella risposta sismica di sito*, Atti del Workshop di Geofisica: "Pericolosità sismica - Microzonazione - Effetti di Sito: punti fermi nella difesa dai terremoti", Rovereto (TN), 11-12-2006. Ed. Osiride ISBN 978-88-7498-133-5
116. **BOAGA J.** CORTELLAZZO G. DEI SVALDI A. FAVARETTI M. MAZZUCATO A. (2009) *'NTC: mai troppe le indagini preliminari'* Ingegneri del Veneto - Notiziario Fed. Ordine Ingegneri del Veneto N.27 , Dicembre 2009

2008

117. ZEZZA F., **BOAGA J.**, (2008), *'La struttura sedimentaria multistorey sandbody e la sismica passiva: indagini di microtremore nel centro storico di Venezia'* Quaderni IUAV, N. 54, ed. Il Poligrafo, Padova ISBN 978-88-7115-633-0
118. **BOAGA J.** (2008) *Seismic Noise and controlled source surveys: tools for seismic hazard deterministic approach (Field measurements in Venice Plain, Italia)*. Tesi di Dottorato in Scienze della Terra, Università di Padova; Biblioteca Nazionale di Roma. RIF SBN- ISN: VIA0181568
119. **BOAGA J.** ILICETO V. (2008) *'Shear wave structural model from Time Cross-Correlation of seismic Noise'* Geologia Tecnica e Ambientale -Journal of technical & environmental geology, N.1, 2008, ed. Grafiche PD (Lt)
120. **BOAGA J.** ILICETO V. PANZA G.F. (2008), *'Pericolosità sismica della Regione Veneto mediante approccio deterministico'* Relazione ad Invito, Atti Convegno 'Sismicità storica dell'Italia di Nord-Est, stato dell'arte delle conoscenze sul terremoto di Verona del 1117 e sulla sismicità dell'Italia Nord Orientale', Accademia di Agricoltura Scienze, Lettere di Verona e

Museo di Storia Naturale di Verona. Verona 2008

121. **BOAGA J.** (2008) *Modelli 1D di onde di taglio dalla cross-correlazione di rumore sismico*, Atti 27° Convegno Gruppo Nazionale di Geofisica della Terra Solida, Trieste, 6-8 ottobre 2008 ISBN 88-902101-3-3
122. ZEZZA F., **BOAGA J.**, Di SIPIO E. (2008), '*Evaluation of the performance of desalination treatments in a selected case study by means of Non Destructive Techniques analyses*', Proc. The 8th European Conference on Research for Protection, Conservation and Enhancement of Cultural Heritage, Ljubljana, Slovenia

2007

123. **BOAGA J.** ILICETO V. VACCARI F. and PANZA G.F (2007). "*Shear-Waves Structural Model of Venice Plain (Italia), from Seismic Noise measurements*" Atti 'American Geophysical Union - General Meeting' 12/2007 S.Francisco – USA- in Eos Trans. AGU, 88(52), Fall Meet. Suppl., NS11D-0797 ISSN 00963941
124. **BOAGA J.** ILICETO V. (2007) *La valutazione del parametro Vs30 e del periodo proprio di vibrazione: il ruolo della Geofisica*. Ingegneri del Veneto, Notiziario Fed. Ordini Ingegneri Veneto, N.3 2007