



Curriculum Vitae

Jacopo Boaga

Place of birth: Venezia, ITALY
Date of birth: 15 - 06 - 1980
Nationality: Italian
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Education

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| 2008 - University of Padova, Italy Faculty of Sciences - PhD School in Earth Sciences XX° cycle in correlation with the University of Trieste, Italy | PhD in Earth Sciences, Thesis: "Seismic noise and controlled source surveys: tools for seismic hazard deterministic approach" Final commission verdict: Excellent Supervisors: Prof. G.F. Panza - University of Trieste, Italy Prof. V. Iliceto - University of Padova, Italy |
| 2004 - University of Padova, Italy - Faculty of Sciences - | Master's degree in Geological Sciences (course of Geophysics) Final mark: 110/110 Summa cum Laude |
| 1999 - Liceo Scientifico Statale "G.B. Benedetti", Venezia, Italy | High school degree 'Diploma di Maturità Scientifica' Final mark: 100/100 |

A. Employment and past work experiences

In Italy:

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| <u>2020-current</u> | Associate Professor of Applied Geophysics - ssd: GEOS 04/b – Department of Geosciences, University of Padova, Italy |
| 2015 -19 | Fixed term researcher of Applied Geophysics (art. 24 c.3 L. 240/10), ssd: <u>GEO/11</u> , Department of Geosciences, University of Padova, Italy |
| 2011-2014 | Post Doc (L.240/2010), Department of Geosciences, University of Padova Grant: 'Transport phenomena in hydrological basins by geophysical characterization' |
| 2011-2012 | Post Doc (L.449/1997), Department of Geosciences, University of Padova Grant: 'Geophysics for the hydrogeological risks and water management: reducing uncertainty and quantifying risk through an integrated monitoring and modelling approach' – |
| 2008-2009 | Post Doc Department of Constructions - University IUAV of Venice, 'Comparison of geophysical data for estimating moisture and salt content in bricks and stone - Verification of conservation treatments' |
| 2005-2008 | PhD Student at the University of Padova and University of Trieste, Doctorate School of Earth Sciences |
| 2005 | Qualified to practice the profession of Geologist |
| 2004 | Collaborator of Thetis Engineering spa - Venice – Italy. |

Abroad:

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| 2023 | Visiting semester Fellowship Boston University, USA, Department of Earth & Environment |
| 2019-21 | Visiting Fellowship Swiss Federal Institute ETH WSL- SLF, Davos, Switzerland |
| 2017 | IODP program on board specialist US ship <i>Joides Resolution</i> , South China Sea mission |
| 2006 | European Space Agency School fellowship, Austrian Research Promotion Agency (FFG), Austria |

Field experiences geophysical surveys in: *Austria, Canada, Chile, China, France, Germany, Israel, Kazakhstan, Norway, Slovenia, Sweden, Switzerland, Spain, Tunisia, Turkey, USA.*

B. Bibliometric indexes (at the 10th September 2024)

| | Source: Google Scholar | Source: Scopus |
|----------------------------|------------------------|----------------|
| Number of publications: | 151 | 101 |
| Total number of citations: | 2406 | 1762 |
| H - Index: | 26 | 23 |
| i10 H Index: | 58 | 1 |

C. Prizes and Italian Scientific Habilitation

- 2020 **National Scientific Habilitation as Full Professor** (ASN) in Geophysics (*Professore Ordinario, settore 04/A4 - Geofisica*).
- 2020 Winner **Premio Nazionale 'Leonardo Da Vinci'** MIUR - CRUI program for outgoing research.
- 2014 Winner **Premio Nazionale 'Licio Cernobori 2014'** best work in applied geophysics in the framework of the annual GNGTS National conference
- 2005 Winner **Premio di Laurea Nazionale 'Giampaolo Piali 2005'** for the best seismic and hydrological risk national thesis

D. Scientific activities

Ability to attract Competitive Funding as Principal Investigator or WP Leader

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| 2024-26 | Project: COLD SPOT, MIUR Departments of Excellence program grant | PI |
| 2023-24 | Project: BERG, UniPd competitive SID grant | PI |
| 2023-2025 | Project: SubSurfICE, PRIN national project | WP leader |
| 2019-2023 | Project: EU POR FESR, Regione del Veneto - OGS | WP leader |
| 2018-20 | Project: Seismic MEMS, UniPd competitive SID grant | PI |
| 2016-17 | Project; HELTER EU -TA project Horizon 2020 | PI |
| 2017-19 | IODP 'petrophysical properties' onboard project | PI |

Competitive Funding Projects as Participant

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| 2023-2025 | LTER network project, (NSF funded), University of Delaware, USA. |
| 2023-2025 | RoDYNAlps – Dynamic alps response to climate change (Swiss National Foundation) |
| 2023-2025 | EU project HORIZON-MSCA-2022-DN-01 ‘Seasounds’ |
| 2019-2022 | ECZ Dry project, Italy- Israel bilateral project |
| 2016-2020 | EU FP7 ERANET-MED, WASA: WAter Saving in Agriculture: technological developments for the sustainable management of limited water resources in the Mediterranean area |
| 2017-2018 | PNRA project IMPERVIA - Seismic in the Arctic, Svalbard |
| 2012-13 | EU Framework Programme 7 Collaborative Project GLOBAQUA “Managing the effects of multiple stressors on aquatic ecosystems under water scarcity” |
| 2011-12 | EU Framework Programme 7 Collaborative Project “CLIMB: Climate Induced Changes on the Hydrology of Mediterranean Basins: Reducing Uncertainty and Quantifying Risk through an Integrated Monitoring and Modeling System” |
| 2011 | EU Framework Programme 7 Collaborative Project “ModelPROBE - Model driven Soil Probing |
| 2011 | EU Framework Programme 7 Collaborative Project “iSOIL - Interactions between soil related sciences |
| 2009 | EU Framework Programme 6 Collaborative Project DESALINATION: Assessment of desalination mortars and poultrices for historic masonry, University IUAV of Venice |

D 1.1 Teaching activities & inv. talks

in Italy:

- 2017-2024. In charge of Applied Geophysics classes and Engineering and Environmental Geophysics classes for the Master in ‘Geophysics for natural risks and resources’ and ‘Environmental Sciences -STAMT’, with focus on environmental, hydrological, and engineering applications for graduate levels at the University of Padova, Italy
- 2017-2024. In charge of Applied Geophysics classes for applications for the course of Civil Engineering for graduate and under-graduate levels at the University of Padova, Italy
- 2019- 2020 In charge of Applied Geophysics class, Master in Civil and Environmental Engineering, Department of Civil Engineering of the University of Trieste, Italy
- 2009-2014. Assistant Professor for the Applied Geology class (Geophysics module) at the Department of Architectural Constructions, University IUAV of Venice, Italy

Abroad:

2023. Invited Seminar ‘Geophysics for ecology’, Department of Environment & Earth, Boston University, Boston, USA
2020. Invited Seminar ‘Applied Geophysics in Periglacial Environment’ Swiss Federal Institute ETH-WSL-SLF Davos, Switzerland
2013. Applied Geophysics course Technical University of Kazakhstan, Karaganda, Kazakhstan (Kz)
2008. Invited Seminar 8th ‘Workshop on 3D Modelling of Seismic Waves Generation, Propagation and their Inversion’, UNESCO International Centre for Theoretical Physics.
2008. Invited seminar Leibniz Institute, Hannover, Germany, ‘Shear wave from Seismic noise Cross Correlation’

D 1.2 Supervision of under-graduate, graduate and PhD students

2011-2024 Supervisor /co-supervisor of **55 Master thesis** at the Department of Geosciences and at the Department of Civil and Environmental Engineering of the University of Padova, Italy.

2011-2024 Supervisor of **5 BSc thesis** at the Department of Geosciences and at the Department of Civil and Environmental Engineering of the University of Padova, Italy.

2018-2024 Supervisor/co-supervisor of **5 PhD candidates** for the Doctorate School of Earth Sciences at the Department of Geosciences, University of Padova, Italy.

D 1.3 Editorial activities

Member of the Editorial Board of:

- *Frontiers in water*
- *Journal of Geology and Geophysics*
- *Bulletin of Theoretical and Applied Geophysics*
- *Sensors (guest Editor)*

Recognized Reviewer for:

- *Water resources research*
- *International Journal of Geophysics*
- *Pure and Applied Geophysics*
- *Soil Dynamic and Earthquake Engineering*
- *Bulletin of Earthquake Engineering*
- *Engineering Geology*
- *Contaminant Hydrology*
- *Hydrology and Earth System Sciences*
- *Geophysical Prospecting*
- *Journal of Applied Geophysics*
- *Science of the Total Environment*
- *Environmental Earth Sciences*
- *Near Surface Geophysics*
- *Irrigation Science*
- *Soil*
- *Sensors*
- *Geoderma*
- *Permafrost and periglacial processes*
- *Scientific Reports*
- *The Cryosphere*

D 1.4 Institutional activities

Institutional roles

2019-2024 Vice-President of the Master course council in 'Geophysics for natural risks and resources', Department of Geosciences, University of Padova, Italy.

2018-2024 Member of the PhD Board, Doctorate School of Earth Sciences at the Department of Geosciences, University of Padova, Italy.

2018 - 2024 Coordinator of the Department of Geosciences Commission for Outreach and Third Mission, University of Padova, Italy

2018-2021 Member of the Master course council in 'Geological Sciences', Department of Geosciences, University of Padova, Italy.

2019-2024 Member of the joint committee of the School of Agricultural Sciences and Veterinary Medicine, University of Padova, Italy

2019-2024 External referee for ETH WSL -SLF evaluation board, Switzerland

Member of evaluation committees

Member of the PhD evaluation committee for:

- *University of Padova, Italy*
- *University La Sapienza of Rome, Italy*
- *University of Ferrara, Italy*
- *Indian Institute of Technology Roorkee, India*

Member of several recruitment committees for post-Doc positions, research fellowships, fixed term researcher positions (*RtdA*), tenure track positions (*RtdB*) and technologists' positions for:

- *University of Padova, Italy*
- *OGS, Trieste, Italy*
- *University of Torino, Italy*

Past-member of the 'Seismic Commission' of the 'Ordine Regionale dei Geologi del Veneto'.

Professional memberships:

- Member of the American Geophysical Union
- Member of the European Association of Geoscientists and Engineers

Major foreign collaborations:

Prof. A. Orozco, Geophysicist, TU University of Vienna, Austria - Prof. A. Binley, Geophysicist, Lancaster University, UK - Dr. M. Phillips, Geomorphologist, WSL-SLF Institute Davos, Switzerland - Dr. U. Werban, Geophysicist, UFZ Institute, Leipzig, Germany - Dr. F. Wagner, Geophysicist, University of Aachen, Germany - Prof. F. Fagherazzi, Boston University, USA - Dr. C. Strobbia, Exploration seismologist, Real Time Seismic, Pau, France - Prof. A. Casas, Geophysicist, University of Barcelona, Spain - Dr. M. Rossi, Geophysicist, Lund University, Sweden – Dr B. Mary National Research Council, Madrid, Spain.

E. Publications, Conference Proceedings and Patents

Author and co-author of more than 100 peer-reviewed papers in international journals, including *Nature Geoscience* and *Nature Scientific Reports*.

Co-convenor of different sessions at *European Geoscience Union General Assembly* and *American Geophysical Union fall meeting*. Participant of *NSG*, *EAGE*, *GSA*, *ICOP* international conferences. Organizer of the national annual '*Workshop di Geofisica di Rovereto*' in Rovereto, Italy, since 2014.

Summary

- Peer Reviewed Papers: **101**
- Papers submitted (*September 2024*): **4**
- National publications with ISBN: **8**
- Volume chapter with ISBN: **4**
- Conference proceedings: **98**
- Monography with ISSN (PhD Thesis): **1**
- Patents: **2**

- *Total first name papers*: **47**
- *Academic age (from first ISI paper)*: **14 years**

E 1.1 Conferences proceedings

List of conferences proceedings (chronological)

- Nesterova, I Barone, G Cassiani, A Brovelli, Boaga J et al. - Combined DAS and seismic nodes acquisition for shallow geophysics purposes around the Scrovegni Chapel in Padua, Italy. EGU General Assembly Conference Abstracts, 2024
- L Carturan, G Zuecco, J Boaga, C Morino, M Pavoni, R Seppi, M Tolotti, Thermal characteristics of springs fed by mountain permafrost in Val di Sole (Eastern Italian Alps). EGU General Assembly Conference Abstracts, 2024
- M Pavoni, J Boaga, A Bast, M Lichtenegger, J Buckel, Conductive textile electrodes for time-efficient ERT surveys performed in coarse-blocky mountain environments. EGU General Assembly Conference Abstracts, 2024
- C Mollaret, C Hilbich, C Pellet, C Hauck, T Gluzinski, E De Mits, Boaga J et al. A database integrating the electrical resistivity data of Switzerland for mountain permafrost spatio-temporal characterisation EGU General Assembly Conference Abstracts, 2024
- C Morino, L Carturan, M Pavoni, J Boaga, R Seppi, M Zumiani, The current and future state of mountain permafrost in the Eastern Italian Alps: the RETURN project. EGU General Assembly Conference Abstracts, 2024
- A Carrera, M Pavoni, I Barone, J Boaga, N Dal Ferro, G Cassiani, F Morari, On the use of seismic geophysical methods to characterize different soil compaction levels. EGU General Assembly Conference Abstracts 2023
- M Pavoni, J Boaga, A Carrera, G Zuecco, L Carturan, M Zumiani, Hydraulic behaviour of a mountain permafrost subsoil revealed by an infiltration experiment and ERT time-lapse measurements EGU General Assembly Conference Abstracts 2023
- G Cassiani, I Barone, M Pavoni, J Boaga, R Deiana, Geophysical characterization of the shallow subsoil at a heavily urbanized archaeological site: the Roman Amphitheater and the Scrovegni Chapel in Padua. EGU General Assembly Conference Abstracts 2023
- J. Boaga Prospezioni geofisiche in ambito Lagunare, Atti Convegno Le lagune nel mondo antico, Università Ca Foscari di Venezia
- J Boaga, A Finotello, M Ghinassi, A D'Alpaos, Induced Electro-magnetic methods highlight dynamics of meandering channels in tidal landscapes. AGU fall meeting 2022

- R Deiana, I Barone, M Pavoni, J Boaga, G Cassiani, 2D and 3D Geophysical Surface and Borehole Acquisitions for Subsoil Characterization at the Archaeological Site of the Roman Amphitheater and Scrovegni Chapel in Padua. AGU Fall Meeting Abstracts 2022, NS52A-05
- V Cascone, J Boaga, Seismic Detection Efficiency of a New Inexpensive MEMS Sensor Prototype: Application to Micro-seismicity and Distant Moderate Earthquakes
European Conference on Earthquake Engineering and Seismology, 124-135
- F Vanzani, A Fontana, L Ronchi, J Boaga, I Hajdas, The Sandy Hills Of Belvedere–San Marco of Aquileia: The Largest System of LGM Continental Dunes In Northern Italy, ICG2022 2
- I Barone, G Cassiani, A Ourabah, J Boaga, M Pavoni, R Deiana
Comparison and Integration of active and passive 3D surface wave measures around the Scrovegni Chapel 83rd EAGE Annual Conference & Exhibition 2022 (1), 1-5
- A Carrera, M Pavoni, I Piccoli, J Boaga, G Cassiani, F Morari, Soil compaction imaging through Pedophysical Joint Inversion: a Northeastern Italy case study EGU General Assembly Conference Abstracts, EGU22-5861
- M Pavoni, J Boaga, F Wagner, A Bast, M Phillips, Combined use of structurally-coupled and petrophysically-coupled joint inversion for the characterization of rock glaciers EGU General Assembly Conference Abstracts, EGU22-7568
- A Carrera, M Pavoni, I Piccoli, J Boaga, G Cassiani, F Morari, 2nd Agrogeophysics seminar–Bruxelles 11 March 2022
- A Carrera, J Boaga, S Stefania, B Walter, Small-scale characterization of Plant Root Architecture and Biomechanical Dynamics via 4D Electrical Resistivity Tomography, GNGTS 40° Convegno Nazionale–Trieste 27-29 Giugno 2022
- I Barone, R Deiana, A Ourabah, J Boaga, G Cassiani, Active and passive 3D seismic survey around the Scrovegni Chapel using autonomous nodes, NSG2021 27th European Meeting of Environmental and Engineering Geophysics
- G Cassiani, B Mary, J Boaga, I Barone, V Ivan ,Geophysical Imaging of the Root Zone: Methods, Implications and Outlook. NSG2021 27th European Meeting of Environmental and Engineering Geophysics
- V Cascone, J Boaga, G Cassiani, Seismic Monitoring With Low-Cost MEMS Sensor Arrays in Italy
NSG2021 27th European Meeting of Environmental and Engineering Geophysics
- A Carrera, J Boaga, P Scotton, A Galgaro, Thermal Active Zone space-time evolution: a small-scale monitoring of thermal and electrical conductivity EGU General Assembly Conference Abstracts, EGU21-10117
- E Bellizia, J Boaga, D Tognin, A Finotello, M Cosma, A Puppini, ..., Linking sediment properties with conductivity values: an approach to investigate intra point bar grain-size variability in fluvial deposits. EGU General Assembly Conference Abstracts, EGU21-10150
- M Pavoni, J Boaga, Frozen soils characterization by the use of ERT and EMI methods: cases in the Dolomites (Italy) EGU General Assembly Conference Abstracts, EGU21-2146
- G Blanchy, P McLachlan, M Censini, J Boaga, A Binley, G Cassiani, EMI characterization in mountain catchments: multi-frequency versus multi-coil inversion using EmagPy EGU General Assembly Conference Abstracts, EGU21-5169
- C Cavallina, A Bergamasco, J Boaga, S Donnici, B Surian, L Tosi, ..., Hydrostratigraphic setting and groundwater dynamics in high salinized low-lying farmlands at the southern margin of the Venice Lagoon
EGU General Assembly Conference Abstracts, EGU21-13280
- I Barone, J Boaga, A Carrera, A Flores-orozco, G Cassiani, Surface-wave tomography-derived linear inversion: the case study of a landfill. Atti del 39° Convegno Nazionale GNGTS
- E Bellizia, M Ghinassi, J Boaga, G Cassiani, A Finotello, M Cosma, ...
An integrated approach to investigate intra-point bar grain-size variability: an example from the Holocene alluvial succession of the Venetian Plain (Italy). AGU Fall Meeting Abstracts 2020, EP004-0013
- V Cascone, J Boaga, The influence of velocity gradients choice in deep alluvial basin seismic site response, EGU General Assembly Conference Abstracts, 5123
- J Boaga, M Phillips, J Noetzi, R Kenner, A Bast, The use of Frequency Domain Electro-magnetometry for the characterization of permafrost active layers: case studies in the Swiss Alps, EGU General Assembly Conference Abstracts, 5104
- F Lorenzoni, M Salvaggio, MR Valluzzi, J Boaga, R Deiana, A multidisciplinary approach for the assessment of the dynamic and seismic behaviour of archaeological structures in hierapolis of Phrygia, Turkey. Proceedings of EURO DYN 2020 XI International Conference on Structural ...
- B Mary, F Meggio, N Cainelli, L Peruzzo, G Blanchy, J Boaga, Y Wu, ...Highlighting grapevine root activity during a partial root zone drying in rhizotron using geo-electrical methods. AGU Fall Meeting 2019
- M Palladino, B Sica, S Chiavarini, J Rimauro, A Salluzzo, B Mary, J Boaga, ...On reducing VOCs concentration from groundwater for irrigation purposes: A detailed monitoring program to test the stripping efficiency of a sprinkler system. 2019 IEEE International Workshop on Metrology for Agriculture and Forestry ...
- G Bossi, S Bersan, S Cola, L Schenato, F De Polo, C Menegazzo, ...Multidisciplinary analysis and modelling of a river embankment affected by piping. Internal Erosion in Earthdams, Dikes and Levees: Proceedings of EWG-IE 26th

- S Trevisani, J Boaga, Geostatistical mapping of the shallow seismic impedance contrast in Venice (Italy) EGU General Assembly Conference Abstracts, 12046
- G Castiglione, L Lafuenti, C Agnini, F Zorzi, J Boaga, S Martin, Paleotectonics in the Euganean hills (Venetian region, Italy) EGU General Assembly Conference Abstracts, 6757
- B Mary, L Peruzzo, J Boaga, M Schmutz, Y Wu, SS Hubbard, G Cassiani The use of hydro-geophysical monitoring for the identification of root-water-uptake patterns: ERT and MALM experiments in a vineyard EGU General Assembly Conference Abstracts, 3945
- G Castiglione, L Lafuenti, C Agnini, F Zorzi, J Boaga, S Martin, Paleoseismicity, active faulting, surface deformation, and the implications on seismic hazard assessment. European Geosciences Union 2018 ID EGU2018 Abstract Id 6757E
- I Sauermilch, J Boaga, ZRP Mateo, A comparison of petrophysical data inputs for establishing time-depth relationships: a guide for future drilling expeditions. 2017 AGU Fall Meeting
- J Boaga, B Mary, L Peruzzo, M Schmutz, Y Wu, SS Hubbard, G Cassiani, 3D Electrical Resistivity Tomography and Mise-à-la-Masse Method as Tools for the Characterization of Vine Roots. AGU Fall Meeting Abstracts 2017, H31B-1511
- C Strobbia, J Boaga, G Cassiani, M Ashemijokar, P Primiero. Integrated seismic characterization for deep engineering targets: active and passive surface waves, reflection and refraction near-surface modelling from a single 2D acquisition. International Conference on Engineering Geophysics, Al Ain, United Arab ...
- B Mary, L Peruzzo, J Boaga, M Schmutz, Y Wu, SS Hubbard, G Cassiani. Small scale characterization of vine plant root zone via 3D electrical resistivity tomography and Mise-à-la-Masse method: a case study in a Bordeaux Vineyard. EGU General Assembly Conference Abstracts, 17571
- J Boaga, MH Jokar, L Petronio, R Romeo, A Affatato, M Rossi, MT Perri, ...Surface waves analysis to detect buried lateral discontinuities: a case study in the trieste port area. Gruppo Nazionale di Geofisica della Terra Solida (NGGTS), 36 convegno
- J Boaga, M Ghinassi, A D'Alpaos, GP Deidda, G Rodriguez, G Cassiani. Multi-frequency inversion of FDEM data for the study of ancient meandering channels in tidal landscapes. 2016 AGU Fall Meeting
- G Cassiani, J Boaga, M Ghinassi, A D'Alpaos, GP Deidda, G Rodriguez. Multi-frequency inversion of FDEM data for the study of ancient meandering channels in tidal landscapes. AGU Fall Meeting Abstracts 2016, EP23A-0940 2016
- G Cassiani, M Putti, J Boaga, L Busato, D Vanella, S Consoli. Non-invasive monitoring and modelling of the root active zones: progresses, caveats and outlook. AGU Fall Meeting Abstracts 2016, H13K-1558
- G Cassiani, J Boaga, L Busato, L Peruzzo, M Himi, A Casas. Combined Geophysical Surveys for the Characterization of a Reconstructed River Embankment. Near Surface Geoscience 2016-22nd European Meeting of Environmental and Engineering Geophysics
- J Boaga, Perri M, Cassiani G. Time-lapse ERT and DTS for seasonal and short-term monitoring of an alpine river hyporheic zone EGU General Assembly Conference Abstracts, EPSC2016-4159
- J Boaga, S Trevisani, L Agostini, A Galgaro. Geostatistic applied to seismic noise measurements for hydrothermal basin characterization. EGU General Assembly Conference Abstracts, EPSC2016-4172
- D Vanella, L Busato, J Boaga, G Cassiani, A Binley, M Putti, S Consoli. Micro 3D ERT tomography for data assimilation modelling of active root zone., EGU General Assembly Conference Abstracts, EPSC2016-4608
- G Cassiani, J Boaga, L Busato, D Vanella, S Consoli, AM Binley. Micro 3D ERT tomography for data assimilation modelling of active root zone. AGU Fall Meeting Abstracts 2015, H51R-02
- L Petronio, G Rossi, F Accaino, R Romeo, W Wheeler, J Boaga. Seismic Data Acquisition on Innerhytta Pingo-Svalbard Islands. 77th EAGE Conference and Exhibition 2015 2015 (1), 1-5
- G Cassiani, J Boaga, L Busato, MT Perri, M Putti, D Pasetto, B Majone, ...Time Lapse Electrical Resistivity Tomography and Distributed Temperature Measurements in the Hyporheic Zone of an Alpine River. EGU General Assembly Conference Abstracts, 4669
- D Vanella, J Boaga, MT Perri, S Consoli, G Cassiani. Modelling orange tree root water uptake active area by minimally invasive ERT data and transpiration measurements. EGU General Assembly Conference Abstracts, 865
- L Busato, D Vanella, J Boaga, G Manoli, M Marani, M Putti, S Consoli, Identification of active root zone by data assimilation techniques: monitoring and modelling of irrigation experiments. EGU General Assembly Conference Abstracts, 15150
- G Vignoli, I Gervasio, G Brancatelli, J Boaga, B Della Vedova, G Cassiani. Use of frequency-dependent multi-offset phase analysis of surface waves for a riparian zone characterization. EGU General Assembly Conference Abstracts, 4892
- J Boaga, L Busato, MT Perri, G Cassiani. ERT and DTS time-lapse monitoring of an alpine river hyporheic zone. NGGTS-Atti del 34° Convegno Nazionale
- R Romeo, L Petronio, A Affatato, A Barbagallo, R Belletti, G Boehm, ...GEOPHYSICAL INVESTIGATIONS IN A DISMISSED INDUSTRIAL SITE: EX [ESSO (TRIESTE, ITALY) Atti del 34° Convegno del Gruppo Nazionale di Geofisica della Terra Solida

- J Boaga, L Busato, MT Perri, G Strapazzon, D Pasetto, M Putti, ...Time Lapse Electrical Resistivity Tomography, Distributed Temperature Measurements and Modeling in the Hyporheic Zone of an Alpine River. AGU Fall Meeting Abstracts 2014, H31E-0664
- L Busato, J Boaga, MT Perri, G Cassiani Time-lapse monitoring of the hyporheic zone of an alpine river using non-invasive methodologies. Proceedings of the 33rd Gruppo Nazionale di Geofisica della Terra Solida
- S Trevisani, M Rocca, J Boaga. Geophysical techniques in the historical center of Venice (Italy): preliminary results from HVSR and multichannel analysis of surface waves. EGU General Assembly Conference Abstracts, 5641
- D Vanella, J Boaga, MT Perri, S Consoli, G Cassiani. The integration of 3D electrical resistivity tomography and ET flux measurements to characterize water mass balance in the soil-plant-atmosphere continuum EGU General Assembly Conference Abstracts, 682
- M Carrer, J Boaga, A Viganò, F Fedrizzi, S Martin. Geofisica Geologia e Geotecnica al servizio delle risposta sismica locale: il caso studio di Castel Caldes (Trentino). Atti del Workshop in Geofisica di Rovereto 2014
- J Boaga, C Strobbia, G Cassiani. L-SHAPED ARRAY REFRACTIONS MICROTREMORS (LeMi) Atti 33° Convegno Nazionale GNGTS
- G Rossi, F Accaino, J Boaga, L Petronio, R Romeo, W Wheeler. A seismic survey at Adventdalen, Svalbard Islands,(Norway), for permafrost studies: the IMPERVIA project. Atti 33° Convegno Nazionale GNGTS 33, 114-119
- J Boaga, L Busato, MT Perri, S Guglielmo, B Alberto, G Cassiani TIME LAPSE ELECTRICAL RESISTIVITY TOMOGRAPHY AND DISTRIBUTED TEMPERATURE MEASUREMENTS IN THE HYPORHEIC ZONE OF AN ALPINE RIVER. Geological Society of America Proc. 46 2014
- G Cassiani, J Boaga, M Rossi, A D'Alpaos, G Fadda, M Putti, M Marani. Time-lapse ERT for the monitoring of soil-plant interactions in the root zone. AGU Fall Meeting Abstracts 2013, H43L-01
- J Boaga, S Consoli, R Papa, G Cassiani. Soil-plant-atmosphere water balance via time-lapse 3D Electrical Resistivity Tomography and Eddy covariance measurements. AGU Fall Meeting Abstracts 2013, H51F-1256 2013
- G Cassiani, AM Binley, A Kemna, M Wehrer, A Flores-Orozco, R Deiana, ...Geophysical characterization of crude-oil contamination: the example of the Trecate site (Italy). AGU Fall Meeting Abstracts 2013, NS24A-08
- J Boaga, M Rossi, G Cassiani, M Putti. Time-lapse 3D electrical resistivity tomography to monitor soil-plant interactions. EGU General Assembly Conference Abstracts, EGU2013-9656
- L Mazzalai, J Boaga, M Rossi, S Martin, G Cassiani, A Viganò. The geoelectrical survey: a powerful tool for the identification of fault zones. EGU General Assembly Conference Abstracts, EGU2013-3970
- MT Perri, J Boaga, S Bersan, S Cola, G Cassiani, R Deiana, P Simonini, ...On the applicability of different geophysical techniques to river embankments characterization: a case study in Veneto Region (Italy) 32° GNGTS Conference
- MT Perri, J Boaga, S Bersan, A D'Alpaos, G Cassiani, R Deiana, ...River embankment characterization: an integrated approach using geophysical and geotechnical techniques. IX Forum Italiano di Scienze della Terra
- J Boaga, S Consoli, D Vanella, MT Perri, G Cassiani. Soil-plant-atmosphere water balance via time-lapse 3D Electrical Resistivity Tomography, sap flow and Eddy covariance measurements. AGU Fall Meeting–2013
- J Boaga, G Cassiani, CL Strobbia, G Vignoli. Rayleigh waves ellipticity and mode mis-identification in multi-channel analysis of surface waves. AGU Fall Meeting Abstracts 2012, NS31A-1674 2012
- M Perri, G Cassiani, J Boaga, M Rossi, G Vignoli, R Deiana, N Ursino, ...Monitoring soil-vegetation interactions using non-invasive geophysical techniques. AGU Fall Meeting Abstracts 2012, H33A-1286
- G Cassiani, N Ursino, R Deiana, G Vignoli, J Boaga, M Rossi, MT Perri, ...Geophysical mapping of soil static characteristics and monitoring of soil dynamic states: an example on agricultural land. EGU General Assembly Conference Abstracts, 1323
- MT Perri, J Boaga, S Bersan, G Cassiani, R Deiana, P Simonini, S Patti. Applicazione e confronto di Tecniche Geofisiche per il monitoraggio di sponde artificiali di contenimento. IX Workshop di Geofisica di Rovereto
- J Boaga, G Vignoli, R Deiana, G Cassiani. Onde superficiali e contaminazione modale: dall'evidenza sperimentale alla verifica teorica. Atti VIII Workshop di Geofisica Museo Civico di Rovereto
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Padova, 14 Settembre 2024

in fede, **Jacopo Boaga** (*)



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