

Name: JACOPO BOAGA

Date of Birth: 15-06-1980

EDUCATION

2008- PhD in Earth Sciences (University of Padova, University of Trieste co-tutor)

2004- M.Sc. Master in Geological Sciences (University of Padova), final grade 110/110 cum laude

1999- High School diploma (Liceo Scientifico G.B. Benedetti, Venice), final grade 100/100

CURRENT POSITION

Associate professor of Applied Geophysics (Geo/11) at the Department of Geosciences, University of Padova

2020, National Scientific Qualification as Full Professorship in Geophysics (I fascia, A4/04)

RESEARCH PROJECTS

2020- Unipd work package - POR FESR Program 'Monitoring of seismic risk in Veneto Region'

2019 - Principal Investigator - WSL SLF fellowship Program, 'Geophysical prospecting on mountain permafrost', Davos, Switzerland

2017 - Principal Investigator - Core samples surface waves measurements, selected project for IODP (Intern. Ocean Discovery Program) Exp. 'N 367 South China Margin 2017' - 'Petrophysics Specialist',

2016 - Principal Investigator - Helter h2020 Transnational Access program for training period: 'Hyporheic zone monitoring via ERT time-lapse measurements',

2012 - Principal Investigator - Senior research project University of Padova 'Geophysics for the hydrogeological risks and water management'

- - - PARTICIPATION TO RESEARCH PROJECTS

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

2012 EU Framework Programme 7 Collaborative Project GLOBAQUA "Managing the effects of multiple stressors on aquatic ecosystems under water scarcity"

2011 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"

2010 EU Framework Programme 7 Collaborative Project "ModelPROBE - Model driven Soil Probing, Site Assessment and Evaluation

2010 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 poultices for historic masonry

PATENTS

- Boaga J. Cassiani G, Censini G. (2020) POZZETTI AD INFISSIONE PER INDAGINI DI TOMOGRAFIA ELETTRICA, Italian Patent N: 102018000007040
- Boaga J., Cassiani G. (2013). GEOFONO PERFEZIONATO. DEP. ITALIAN PATENT: PD2013A000119 - "Geofono ad infissione multi-orientabile per l'acquisizione della componente del moto verticale ed orizzontale del suolo"

PROFESSIONAL EXPERIENCES

2014-2019 Fixed terms Researcher in applied Geophysics (RTD) at the Department of Geosciences, University of Padova.

2012-2014 Post-Doc at the Department of Geosciences, University of Padova, project: 'Transport phenomena in hydrological catchments: hydrological and geophysical experiments and modelling'

2011-2012 Post-Doc at the Department of Geosciences, University of Padova, project: 'Geophysics for the hydrogeological risks and water management: reducing uncertainty and quantifying risk through an integrated monitoring and modelling approach'

2008-2010 Post-Doc at the Department of Architecture, IUAV University of Venice, project: 'Desalination: Assessment of desalination mortars and poultices for historic masonry'

2004-2006 Thetis Engineering spa, collaborator for hydrogeological studies

AWARDS

2020 - Winner Leonardo Da Vinci Miur -CRUI program for outgoing research.

2014 - "Licio Cernobori Award" for the best work in applied geophysics, national congress of applied and theoretical geophysics (GNGTS)

2005 - "Giampaolo Piali Award" for the best national M.Sc. in geological sciences

STITUTIONAL ASSIGNMENTS

Member of the PhD Board in Geosciences- University of Padova

Member of the School of Agricultural Sciences and Veterinary Medicine Board – University of Padova

Member of the Joint Committee of the Agricultural Sciences and Veterinary Medicine Board

Member of the LM 74 Degree Teaching committee- University of Padova

Member of the LM 79 Degree Teaching committee- University of Padova

Responsible of the Communication Commission of the Department of Geosciences- University of Padova

RESEARCH FIELDS

Geophysical methods for engineering and environmental applications, particularly aimed to seismic methods and the characterization of hydrological systems and contaminated sites. Methods as Surface wave seismic analysis (SW), Electrical Resistivity Tomography (ERT), Frequency domain Electro-Magnetometer (FDEM), Ground Penetrating Radar (GPR), also in borehole and cross- borehole configuration. Geophysical methods for the geotechnical characterization, innovative seismic methods for seismic response analysis (controlled source surface wave methods and passive ones). Seismic hazard scenario and soil-building interactions studies.

TEACHING ACTIVITY

In charge for teaching applied geophysics, with focus on environmental, hydrological and engineering applications for graduate and under-graduate levels at the School of Sciences , at the School of Engineering and at the School of Agricultural Sciences and Veterinary Medicine of the University of Padova.

EDITORIAL ACTIVITY

Member of the Editorial Board of

- Frontiers in water
- Journal of Geology and Geophysics
- Bollettino di Geofisica Teorica e Applicata
- Sensors (guest Editor)

Reviewer for:

- Water resources research
- International Journal of Geophysics
- Contaminant Hydrology
- Soil Dynamic and Earthquake Engineering
- Bulletin of Earthquake Engineering
- Engineering Geology
- Hydrology and Earth System Sciences
- Geophysical Prospecting
- Journal of Applied Geophysics
- Science of the Total Environment
- Environmental Earth Sciences
- Near Surface Geophysics
- Irrigation Science

MEMBERSHIPS

- American Geophysical Union
- European Association of Geoscientists and Engineers

BIBLIOMETRIC INDEXES (Scopus 06.2021)

Number of peer-reviewed international papers: 69

First/second author papers: 36

Number of citations: 880

H Index: 18

Academic age (since the first indexed paper): 11 years

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