

UNIVERSITY OF MILAN

Selection procedure for recruiting full professors under art.18, paragraph 1, of Law No.240/2010 for competition sector 04/GEOS-04 - Geofisica, (scientific-disciplinary sector GEOS-04/B - Geofisica applicata) at the Department of Earth Sciences Ardito Desio, (announcement published in Official Gazette No.99 of 13/12/2024) - Competition code 5657

Gianluca Fiandaca

CURRICULUM VITAE

PERSONAL DATA

SURNAME	FIANDACA
NAME	GIANLUCA
DATE OF BIRTH	17, 02, 1978

QUALIFICATIONS AND EMPLOYMENT RECORD**DEGREE**

Diploma di Laurea (equivalent to a Master Degree) in Physics, 110/110 e lode, University of Palermo (Italy), February 2003, Thesis Title: "Proteins embedded in silica nanoparticles"

DOCTORAL DEGREE OR EQUIVALENT QUALIFICATION

PhD in Applied Geophysics, University of Palermo, Department of Chemistry and Physics of the Earth and Applications to Geo Resources and Natural Risks, Geophysical Section, February 2007, Thesis Title: "New 2D and 3D arrays for Electrical Resistivity Tomography"

QUALIFICATIONS

September 2019:	Qualified as "Professore Prima Fascia" in the Italian "Abilitazione Scientifica Nazionale", sector A4/04
April 2018:	Qualified as "Professore Seconda Fascia" in the Italian "Abilitazione Scientifica Nazionale", sector A4/04
May 2013:	Qualified as Senior Research Scientist in the field of Geophysics at the Geological Survey of Denmark and Greenland
March 2013:	Qualified as technologist of 3rd level for supporting the processes of management, coordination and development of research initiatives at the Italian Research Council (CNR)
May 2012:	Qualified for Associate Professor in Hydrogeophysics at Aarhus University

EMPLOYMENT RECORD

01 January 2020 - to date:	Associate Professor in Applied Geophysics, Department of Earth Sciences "Ardito Desio", University of Milano, Italy
01 October 2016 - 31 December 2019:	Associate Professor in Hydrogeophysics, Department of Geosciences, Aarhus University, Denmark

1 September 2012 - 31 September 2016:	Assistant Professor in Hydrogeophysics, Department of Geosciences, Aarhus University, Denmark
1 September 2010 - 31 August 2012:	Postdoctoral researcher (Assegnista di ricerca) in Applied Geophysics, Department of Mathematics and Computer Science, University of Palermo, Italy
1 Augustus 2008 - 31 July 2010:	Postdoctoral researcher (Assegnista di ricerca) in Applied Geophysics, Department of Department of Chemistry and Physics of the Earth and Applications to Geo Resources and Natural Risks, University of Palermo, Italy

TEACHING ACTIVITIES

CLASSES AND MODULES

Academic year 2024/2025:	<u>Master Degree in Geophysics (University of Milano):</u> Electrical Electromagnetic and gravimetric methods for environment and exploration; 4.5/6 ECTS, 42/56 hours. Seismic and wavefield exploration; 4.9/6 ECTS, 46/56 hours. Field Course; 1.8/6 ECTS, 20/68 hours. <u>Master Degree in Earth Sciences (University of Milano):</u> Seismic laboratory, 3 ECTS, 36 hours. <u>Bachelor Degree in Geological Sciences (University of Milano):</u> Applied Geophysics, 6 ECTS, 48 hours.
Academic year 2023/2024:	<u>Master Degree in Geophysics (University of Milano):</u> Electrical Electromagnetic and gravimetric methods for environment and exploration; 4.9/6 ECTS, 46/56 hours. Seismic and wavefield exploration; 4.9/6 ECTS, 46/56 hours. Field Course; 4.9/6 ECTS, 56/68 hours. <u>Bachelor Degree in Geological Sciences (University of Milano):</u> Applied Geophysics, 6 ECTS, 48 hours.
Academic year 2022/2023:	<u>Master Degree in Geophysics (University of Milano):</u> Electrical Electromagnetic and gravimetric methods for environment and exploration; 4.9/6 ECTS, 46/56 hours. Seismic and wavefield exploration; 4.9/6 ECTS, 46/56 hours. <u>Master Degree in Earth Sciences (University of Milano):</u> Esplorazione Sismica e laboratorio, 9 ECTS, 84 hours. <u>Bachelor Degree in Geological Sciences (University of Milano):</u> Applied Geophysics, 6 ECTS, 48 hours. <u>PhD Course (University of Milano):</u> Electrical and Electromagnetic methods for hydro & exploration, 2 ECTS, 30 hours
Academic year 2021/2022:	<u>Master Degree in Earth Sciences (University of Milano):</u> Esplorazione Sismica e laboratorio, 9 ECTS, 84 hours. <u>Bachelor Degree in Geological Sciences (University of Milano):</u> Applied Geophysics, 6 ECTS, 48 hours.
Academic year 2020/2021:	<u>Master Degree in Earth Sciences (University of Milano):</u> Esplorazione Sismica, 6 ECTS, 56 hours. <u>Bachelor Degree in Geological Sciences (University of Milano):</u> Applied Geophysics, 6 ECTS, 48 hours.
Academic year 2019/2020:	<u>Bachelor Degree in Geological Sciences (University of Milano):</u> Applied Geophysics, 6 ECTS, 48 hours.
Academic years 2017/2018 and 2018/2019:	<u>Master Degree in Geosciences (Aarhus University):</u> Electric and electromagnetic data processing and interpretation for groundwater mapping, 8/10 ECTS.

Bachelor Degree in Geosciences (Aarhus University):
 Geoelectromagnetism and numerical methods, 4/10 ECTS.
 Academic years 2014/2015, 2015/2016, 2016/2017:
Master Degree in Geosciences (Aarhus University):
 Electric and electromagnetic data processing and interpretation for
 groundwater mapping, 4/5 ECTS

COMPLEMENTARY TEACHING ACTIVITIES AND SERVICE ACTIVITIES TO STUDENTS

MENTORING/TUTORING BACHELOR'S DEGREE, MASTER'S DEGREE, AND PhD THESES

Year	Student name	Topic/thesis title	Where	Level	Role
2023-in progress	Stefano Galli	Integration of geophysics into hydro modelling	Dept. of Earth Sciences, Unimi	PhD	Main supervisor
2023-in progress	Daniel Ciraula	Induced polarization for SO ₂ sequestration	Dept. of Earth Sciences, Unimi	PhD	Co-supervisor
2022-in progress	Alice Lucchelli	Integration of geophysics into hydro modelling	Dept. of Earth Sciences, Unimi	PhD	Co-supervisor
2022-in progress	Francesco Dauti	Induced polarization for mineral exploration	Dept. of Earth Sciences, Unimi	PhD	Main supervisor
2022-in progress	Alessandro Signora	Integration of E & EM methods and temperature modelling	Dept. of Earth Sciences, Unimi	PhD	Main supervisor
2018 - 2021	Longing Xiao	Three-dimensional inversion of transient electromagnetic data using the octree-based finite element method	Department of Geoscience, AU	PhD	Main supervisor
2018 - 2019	Anders Kristian Kühl	DCIP automatic processing and time-lapse inversion	Department of Geoscience, AU	PhD	Main supervisor
2018 - 2019	Kim Engebretsen ¹	2D and 3D modelling and inversion of AEM data	Department of Geoscience, AU	PhD	Co-supervisor
2017 - 2019	Line Meldgaard	Monte Carlo analysis and 3D spectral inversion of full-decay induced polarization data	Department of Geoscience, AU	PhD	Main supervisor
2016 - 2017	Tue Boesen	Numerical methods for electromagnetic beyond 1D	Department of Geoscience, AU	PhD	Co-supervisor
2014 - 2018	Sara Johansson	From microstructure to subsurface characterization (licentiate thesis); Geometrical controls on spectral induced polarization in time and frequency domain (final thesis)	Engineering Geology, Lund University (Sweden)	PhD	Co-supervisor
2014 - 2018	Per-Ivar Olsson	Optimization of time domain induced polarization data acquisition and spectral information content (licentiate thesis); Advances in time-domain induced polarization tomography (final thesis)	Engineering Geology, Lund University (Sweden)	PhD	Co-supervisor
2014 -	Pradip Kumar	Imaging lithology, water conductivity and hydraulic	Department of	PhD	Co-

2017	Maurya	permeability at contaminated sites with induced polarization	Geoscience, AU		supervisor
2013 - 2015	David Wemega Dotse	Landfill/leachate characterization through IP	Department of Geoscience, AU/ KNUST University, Kumasi (Ghana)	PhD	Co-supervisor
2012 - 2013	James Ramm	2D modeling/inversion of IP data	Department of Geoscience, AU	PhD	Co-supervisor
2012 - 2013	Lisbeth Refstrup	EM forward computation for 3D conductive sheets	Department of Geoscience, AU	PhD	Co-supervisor
2024	Giulia Tezzon	Transient electromagnetic instruments: sensitivity analysis of system response and geometry	Dept. of Earth Sciences, Unimi	Master	Main Supervisor
2022	Nicole Anna Lidia Sullivan	Development of processing tools for geoelectrical and induced-polarization data and application for the characterization of a contaminated site	Dept. of Earth Sciences, Unimi	Master	Main Supervisor
2022	Silvia Spagna	DCIP characterization of a contaminated site	Dept. of Earth Sciences, Unimi	Master	Main Supervisor
2018 - 2019	Johanne Jager Nielsen	3D DC cross-borehole time-lapse inversion	Department of Geoscience, AU	Master	Main Supervisor
2018 - 2019	Marie Kristine Steen	2D DCIP crossborehole time-lapse inversion	Department of Geoscience, AU	Master	Main Supervisor
2016	Avgi Grigoriadou	Inversion of airborne EM data with IP effects	Department of Geoscience, AU	Master	Main Supervisor
2024	Alessia Barbagallo	Progetto MapPO: inversione dei dati elettromagnetici e comparazione con i dati di pozzo	Dept. of Earth Sciences, Unimi	Bachelor	Main Supervisor
2024	Michela Costa	Amplificazione sismica locale in un sito della rete sismica nazionale dell'INGV	Dept. of Earth Sciences, Unimi	Bachelor	Main Supervisor
2024	Elisa Zanetti	Effetto di temperature sul modello di resistività del sito di calibrazione HydroGeosITe	Dept. of Earth Sciences, Unimi	Bachelor	Main Supervisor
2023	Andrea Miglierina	Indagini elettromagnetiche waterborne sul lago di Iseo per la caratterizzazione delle interazioni tra acque superficiali ed acque sotterranee	Dept. of Earth Sciences, Unimi	Bachelor	Main Supervisor
2023	Elisabetta Nanni	Inversione congiunta di dati elettrici ed elettromagnetici per la caratterizzazione dell'HydroGeosITe	Dept. of Earth Sciences, Unimi	Bachelor	Main Supervisor
2022	Giulia Tezzon	Strumenti transient-EM in acquisizione continua: studio della sensibilità alle caratteristiche dei sistemi ed applicazione nella	Dept. of Earth Sciences, Unimi	Bachelor	Main Supervisor

		caratterizzazione dell'HydroGeosITe			
2022	Federico Fasolato	Metodi elettromagnetici induttivi per la caratterizzazione di acquiferi	Dept. of Earth Sciences, Unimi	Bachelor	Main Supervisor
2021	Barka Burkey	Caratterizzazione geoelettrica dell'eterogeneità geologica del sito contaminato dell'ex-cava vallosa (BS)	Dept. of Earth Sciences, Unimi	Bachelor	Main Supervisor
2021	Mattia Lonardi	Caratterizzazione geoelettrica dell'ex-cava vallosa (BS)	Dept. of Earth Sciences, Unimi	Bachelor	Main Supervisor
2020	Mattia Olmo	La polarizzazione indotta per la tomografia idraulica: processing di dati full-decay acquisiti sul campo e inversione in termini di conducibilità idraulica con comparazione di stime di pozzo	Dept. of Earth Sciences, Unimi	Bachelor	Main Supervisor

INVITED TALKS, SEMINARS & SUMMER SCHOOLS

2024	Invited talk, 2024 China-Italy International Cooperation and Exchange & Workshop on New Advances in Geophysical Methods and Technologies for Resource Exploration, University of Changchun, Changchun, China, 05 November 2024, title "EEMverter, a new 1D/2D/3D inversion tool for Electric and Electromagnetic data with focus on induced polarization", (30 minutes)
2024	Invited talk, CIIE - China International Import Expo, Shanghai, China - New Advances in Geophysical Methods and Instruments for Resource Exploration, 02 November 2024, title "EEMverter, a new modelling tool for Electric and Electromagnetic data with focus on induced polarization" (15 minutes)
2024	EAGE Distinguished Lecturer Programme (DLP) Webinar, 28 August 2024: Effect of induced polarization on galvanic and inductive data: where is it stronger? (30 + 15 Q&A minutes)
2024	ApeGeo, Aperitivi scientifici coi piedi per Terra, University of Milano, 12 April 2024, seminar with title "Esplorare il sottosuolo volando", (45 minutes), https://www.youtube.com/watch?v=1sc7b4amI5A&list=PLjNdGQ5s80byQA3Gu4BcYse64NW ez4zLL&index=5
2023	Como Lake Summer school on Inverse problems in Geophysics, Como, 18-22 September 2023, lectures and field acquisitions on E & EM prospection (7 hours)
2022	XVIII Workshop di Geofisica, "Geofisica e geognostica per la bonifica ambientale", 2 December 2022, Rovereto (Italy), seminar with title "Metodi elettrici ed elettromagnetici per la caratterizzazione ed il monitoraggio di siti contaminati" (30 minutes)
2022	Invited talk SIF 2022, Milano, 14 September 2022, Sezione 4: Geofisica e fisica dell'ambiente - Charting the road to the green energy transition: Airborne electromagnetics for raw material exploration (15 minutes)
2021	Saga monthly talk webinar, 25 June 2021 - Induced polarization in electric and electromagnetic methods: mineral exploration and groundwater mapping (one hour), https://www.youtube.com/watch?v=YhlWvEbRTyw

2021	ApeGeo, Aperitivi scientifici coi piedi per Terra, University of Milano, 12 March 2021, seminar with title “Alla ricerca dell’acqua nel sottosuolo con Maxwell”, (45 minutes), https://www.youtube.com/watch?v=s4lj4aajVBA&list=PLjNdGQ5s80byQA3Gu4BcYse64NWez4zLL&index=20
2021	EAGE E-Lecture, 24 February 2021: Permeability prediction from Induced Polarization data at field scale (18 minutes), https://learninggeoscience.org/local/pages/?id=317
2020	Invited talk SIF 2020, Milano, 17 September 2020, Sezione 4: Geofisica e fisica dell'ambiente - Advancements in the transient electromagnetic method for environmental applications (15 minutes), https://server11.infn.it/video/multimedia/sif-2020-Congresso-106/video040.html
2019	2019 Summer school, Shandong University, Jinan, Shandong (China), 26-30 August 2019, hydrogeophysics short course (16 hours)
2019	Sageep 2019, Portalnd (Oregon, USA), March 17-21 2019, Best of Near Surface 2018 Invited talk, title “Hydraulic permeability prediction from Induced Polarization data at field scale” (20 minutes)
2018	AEM2018, 7th International Workshop on Airborne Electromagnetics, Kolding (Denmark), June 17-20 2018, Invited keynote speech, title “Robust inversion of induced polarization effects in airborne transient electromagnetic” (20 minutes)

SCIENTIFIC RESEARCH ACTIVITIES

AUTHOR IDENTIFICATION AND RESEARCH METRICS

ORCID:	0000-0002-3395-878X				
Google Scholar:	https://scholar.google.it/citations?user=8GOEg60AAAAJ&hl=en				
Scopus ID:	23667017400				
Researcher ID:	I-2980-2012				
H-index:	25	(ISI WoS)	27	(Scopus)	31 (Google Scholar)
Number of citations:	1948	(ISI WoS)	2439	(Scopus)	3455 (Google Scholar)
Number of articles published in peer reviewed journals:	66				
Number of articles/extended abstracts in books & proceedings of international conferences:	130				
Number of short abstracts in proceedings of international conferences:	53				
Number of articles & short/extended abstracts in proceedings of national conferences:	34				
Number of presentations at conferences:	62				
Number of international patents:	2				
Number of national patents:	3				

SCIENTIFIC PUBLICATIONS AND SPEAKING AT CONFERENCES OF INTERNATIONAL INTEREST

Articles published in peer reviewed journals

1. Römhild, L., Fiandaca, G., Bayer, P. (2024). Joint inversion of induced polarization and hydraulic tomography data for hydraulic conductivity imaging. *Geophysical Journal International*, Volume 238, Issue 2, August 2024, Pages 960-973, <https://doi.org/10.1093/gji/ggae197>
2. Lévy, L., Bording, T. S., Fiandaca, G., Christiansen, A. V., Madsen, L. M., Bennedsen, L. F., ... & Christensen, J. F. (2024). Managing the remediation strategy of contaminated megasites using field-scale calibration of geo-electrical imaging with chemical monitoring. *Science of The Total Environment*, 171013, <https://doi.org/10.1016/j.scitotenv.2024.171013>
3. Sullivan, N.A.L., on behalf of Gisolo, M., Spagnoli, L., Rapiti, A., Dauti, F., Menghini, A., Viezzoli, A., Fiandaca, G. (2023). Airborne EM in northern Italy for sustainable and resilient management of groundwater resources. *Il Nuovo Cimento*, 46(3), 68. DOI: 10.1393/ncc/i2023-23068-y
4. Xiao, L., Fiandaca, G., Maurya, P. K., & Christiansen, A. V. (2023). 3D inversion of an integrated ground-based and waterborne TEM survey. *Geophysics*, 88(5), B221-B231. <https://doi.org/10.1190/geo2022-0318.1>
5. Römhild, L., Fiandaca, G., Hu, L., Meyer, L., & Bayer, P. (2022). Imaging hydraulic conductivity in near-surface aquifers by complementing cross-borehole induced polarization with hydraulic experiments. *Advances in Water Resources*, 170, 104322. <https://doi.org/10.1016/j.advwatres.2022.104322>
6. Lévy, L., Thalund-Hansen, R., Bording, T., Fiandaca, G., Christiansen, A. V., Rügge, K., ... & Bjerg, P. L. (2022). Quantifying Reagent Spreading by Cross-Borehole Electrical Tomography to Assess Performance of Groundwater Remediation. *Water Resources Research*, 58(9), e2022WR032218. <https://doi.org/10.1029/2022WR032218>
7. Xiao, L., Fiandaca, G., Maurya, P. K., Christiansen, A. V., & Lévy, L. (2022). Three-dimensional time-lapse inversion of transient electromagnetic data, with application at an Icelandic geothermal site. *Geophysical Journal International*, 231(1), 584-596. <https://doi.org/10.1093/gji/ggac206>
8. Xiao, L., Fiandaca, G., Zhang, B., Auken, E., & Christiansen, A. V. (2022). Fast 2.5 D and 3D inversion of transient electromagnetic surveys using the octree-based finite-element method. *Geophysics*, 87(4), E267-E277. <https://doi.org/10.1190/geo2021-0402.1>
9. Engebretsen, K. W., Zhang, B., Fiandaca, G., Madsen, L. M., Auken, E., & Christiansen, A. V. (2022). Accelerated 2.5-D inversion of airborne transient electromagnetic data using reduced 3-D meshing. *Geophysical Journal International*, 230(1), 643-653. <https://doi.org/10.1093/gji/ggac077>
10. Fiandaca, G., Olsson, P. I., Maurya, P. K., Köhl, A., Bording, T., Dahlin, T., & Auken, E. (2022). Heterodox transients in time-domain-induced polarization. *Geophysics*, 87(1), E35-E47. <https://doi.org/10.1190/geo2020-0808.1>
11. Asif, M.R., Bording T.S, Maurya P.K., Zhang B., Fiandaca G., Grombacher D.J., Christiansen A.V., Auken E., Larsen J.J.(2022). A Neural Network-Based Hybrid Framework for Least-Squares Inversion of Transient Electromagnetic Data. *IEEE Transactions on Geoscience and Remote Sensing*, vol. 60, pp. 1-10, Art no. 4503610, <https://doi.org/10.1109/TGRS.2021.3076121>
12. Zhang, B., Engebretsen, K. W., Fiandaca, G., Cai, H., & Auken, E. (2021). 3D inversion of time-domain electromagnetic data using finite elements and a triple mesh formulation. *Geophysics*, 86(3), E257-E267. <https://doi.org/10.1190/geo2020-0079.1>
13. Bording, T., Köhl, A. K., Fiandaca, G., Christensen, J. F., Christiansen, A. V., & Auken, E. (2021). Cross-borehole geoelectrical time-lapse monitoring of in situ chemical oxidation and permeability estimation through induced polarization. *Near Surface Geophysics*, 19(1), 43-58. <https://doi.org/10.1002/nsg.12131>
14. Madsen, L. M., Fiandaca, G., & Auken, E. (2020). 3-D time-domain spectral inversion of resistivity and full-decay induced polarization data—full solution of Poisson's equation and modelling of the current waveform. *Geophysical Journal International*, 223(3), 2101-2116. <https://doi.org/10.1093/gji/ggaa443>
15. Couto Junior, M. A., Fiandaca, G., Maurya, P. K., Christiansen, A. V., Porsani, J. L., & Auken, E. (2020). AEMIP robust inversion using maximum phase angle Cole-Cole model re-parameterisation applied for HTEM survey over Lamago gold mine, Quadrilátero Ferrífero, MG, Brazil. *Exploration Geophysics*, 51(1), 170-183. <https://doi.org/10.1080/08123985.2019.1682458>
16. Johansson, S., Lindskog, A., Fiandaca, G., & Dahlin, T. (2020). Spectral induced polarization of limestones: time domain field data, frequency domain laboratory data and physicochemical rock properties. *Geophysical Journal International*, 220(2), 928-950. <https://doi.org/10.1093/gji/ggz504>

17. Grombacher, D., Liu, L., Kass, M. A., Osterman, G., Fiandaca, G., Auken, E., & Larsen, J. J. (2020). Inverting surface NMR free induction decay data in a voltage-time data space. *Journal of Applied Geophysics*, 172, 103869. <https://doi.org/10.1016/j.jappgeo.2019.103869>
18. Grombacher, D., Fiandaca, G., Auken, E. (2019). Estimating T2 from surface NMR FID data using a forward model based on the full-Bloch equation. *Geophysical Journal International*, 218(3), 1892-1902. <https://doi.org/10.1093/gji/ggz250>
19. Bording, T. S., Fiandaca, G., Maurya, P. K., Auken, E., Christiansen, A. V., Tuxen, N., ... & Larsen, T. H. (2019). Cross-borehole tomography with full-decay spectral time-domain induced polarization for mapping of potential contaminant flow-paths. *Journal of contaminant hydrology*, 226, 103523. <https://doi.org/10.1016/j.jconhyd.2019.103523>
20. Olsson, P. I., Fiandaca, G., Maurya, P. K., Dahlin, T., & Auken, E. (2019). Effect of current pulse duration in recovering quantitative induced polarization models from time-domain full-response and integral chargeability data. *Geophysical Journal International*, 218(3), 1739-1747. <https://doi.org/10.1093/gji/ggz236>
21. Lin, C., Fiandaca, G., Auken, E., Couto, M. A., & Christiansen, A. V. (2019). A discussion of 2D induced polarization effects in airborne electromagnetic and inversion with a robust 1D laterally constrained inversion scheme. *Geophysics*, 84(2), E75-E88. <https://doi.org/10.1190/geo2018-0102.1>
22. Høyer A.-S., Klint K.E.S., Fiandaca G., Maurya P.K., Christiansen A.V., Balbarini N., Bjerg P.L., Hansen T.B., Møller I. (2019). Development of a high-resolution 3D geological model for landfill leachate risk assessment. *Engineering Geology*, 249, 45-59. <https://doi.org/10.1016/j.enggeo.2018.12.015>
23. Mudler, J., Hördt, A., Przyklenk, A., Fiandaca, G., Maurya, P. K., & Hauck, C. (2019). Two-dimensional inversion of wideband spectral data from the capacitively coupled resistivity method-first applications in periglacial environments. *The Cryosphere*, 13(9), 2439-2456. <https://doi.org/10.5194/tc-13-2439-2019>
24. Casas, A., Cosentino, P.L., Fiandaca, G., Himi M., Macias J.M., Martorana R., Muñoz A., Rivero L., Sala R., Teixell I. (2018). Non-invasive Geophysical Surveys in Search of the Roman Temple of Augustus Under the Cathedral of Tarragona (Catalonia, Spain): A Case Study, *Surveys in Geophysics*, 39 (6), 1107-1124. <https://doi.org/10.1007/s10712-018-9470-6>
25. Boesen T., Auken E., Christiansen A.V., Fiandaca G., Schamper C. (2018). A parallel computing thin sheets inversion algorithm for airborne time domain data utilizing a variable overburden, *Geophysical Prospecting*, 66 (7), 1402-1414. <https://doi.org/10.1111/1365-2478.12630>
26. Balbarini N., Maurya P.K., Rønde V., Fiandaca G., Møller I., Klint K.E., Christiansen A.V., Binning P.J., Bjerg P.L. (2018). Geophysics based contaminant mass discharge quantification downgradient of a landfill and a former pharmaceutical factory, *Water Resources Research*, 54 (8), 5436-5456. <https://doi.org/10.1029/2017WR021855>
27. Fiandaca G., Meldgaard Madsen L., Maurya P.K. (2018). Re-parameterisations of the Cole-Cole model for improved spectral inversion of induced polarization data, *Near Surface Geophysics*, 16 (4), 385-399. <https://doi.org/10.3997/1873-0604.2017065>
28. Maurya P.K., Fiandaca G., Christiansen A.V., Auken E. (2018B). Field-scale comparison of frequency- and time-domain spectral induced polarization, *Geophysical Journal International*, 214, 1441-1466. <https://doi.org/10.1093/gji/ggy218>
29. Fiandaca G., Maurya P.K., Balbarini N., Hördt A., Christiansen A.V., Foged N., Bjerg P.L., Auken E., (2018). Permeability estimation directly from logging-while-drilling Induced Polarization data, *Water Resources Research*, 54 (4), 2851-2870. <https://doi.org/10.1002/2017WR022411>
30. Boesen T., Auken E., Christiansen A.V., Fiandaca G., Kirkegaard C., Pfaffhuber A.A., Vöge M. (2018B). An efficient 2D inversion scheme for airborne frequency domain data, *Geophysics*, 83 (4), E189-E201. <https://doi.org/10.1190/GEO2017-0280.1>
31. Maurya P.K., Balbarini N., Møller I., Rønde V., Christiansen A.V., Bjerg P.L., Auken E., Fiandaca G., (2018). Subsurface imaging of water electrical conductivity, hydraulic permeability and lithology at contaminated sites by induced polarization, *Geophysical Journal International*, 213, 770-785. <https://doi.org/10.1093/gji/ggy018>
32. Madsen L.M., Fiandaca G., Christiansen A.V., Auken E. (2018). Resolution of well-known resistivity equivalences by inclusion of time-domain induced polarization data, *Geophysics*, 83 (1), 1-39. <https://doi.org/10.1190/geo2017-0009.1>
33. Rossi M., Olsson P.I., Johanson S., Fiandaca G., Bergdahl D.P., Dahlin T. (2017). Mapping geological structures in bedrock via large-scale direct current resistivity and time-domain induced polarization tomography, *Near Surface Geophysics*, 15 (6), 657-667. <https://doi.org/10.3997/1873-0604.2017058>

34. Grombacher D., Fiandaca G., Behroozmand A., Auken E. (2017). Comparison of stabiliser functions for surface NMR inversions, *Near Surface Geophysics*, 15 (5), 533-544. <https://doi.org/10.3997/1873-0604.2017027>
35. Maurya P.K., Rønde V.K., Fiandaca G., Balbarini N., Auken E., Bjerg P.L., Christiansen A.V. (2017). Detailed landfill leachate plume mapping using 2D and 3D electrical resistivity tomography-with correlation to ionic strength measured in screens, *Journal of Applied Geophysics*, 138, 1-8. <https://doi.org/10.1016/j.jappgeo.2017.01.019>
36. Madsen L.M., Fiandaca G., Auken E., Christiansen A.V. (2017). Time-domain induced polarization-an analysis of Cole-Cole parameter resolution and correlation using Markov Chain Monte Carlo inversion, 2017, *Geophysical Journal International*, 211 (3), 1341-1353. <https://doi.org/10.1093/gji/ggx355>
37. Wemegah D.D., Fiandaca G., Auken E., Menyeh A. & Danuor S.K. (2017). Spectral time-domain induced polarization and magnetic surveying - an efficient tool for characterization of solid waste deposits in developing countries, *Near Surface Geophysics*, 15 (1), 75-84. <https://doi.org/10.3997/1873-0604.2016048>
38. Viezzoli A., Kaminski V., Fiandaca G. (2017). Modelling IP effects in helicopter TEM data: synthetic case studies, *Geophysics*, 82 (2), E31-E50. <https://doi.org/10.1190/geo2016-0096.1>
39. Christensen N.K., Ferre T.P., Fiandaca G., Christensen S. (2017). Voxel inversion of airborne electromagnetic data for improved groundwater model construction and prediction accuracy, *Hydrology and Earth System Sciences*; 21(2), 1321-1337. <https://doi.org/10.5194/hess-21-1321-2017>
40. Johansson S., Sparrenbom C., Fiandaca G., Olsson P.-I., Dahlin T. & Rosqvist H. (2016). Investigations of a Cretaceous limestone with spectral induced polarization and scanning electron microscopy, *Geophysical Journal International*, 208 (2), 954-972. <https://doi.org/10.1093/gji/ggw432>
41. Olsson P.-I., Fiandaca G., Larsen J.J., Dahlin T. & Auken E. (2016). Doubling the spectrum of time-domain induced polarization by harmonic de-noising, drift correction, spike removal, tapered gating and data uncertainty estimation, *Geophysical Journal International*, 207 (2), 774-784. <https://doi.org/10.1093/gji/ggw260>
42. Behroozmand A.A., Auken E., Fiandaca G. & Rejkaer S. (2016). Increasing the resolution and the signal-to-noise ratio of magnetic resonance sounding data using a central loop configuration, *Geophysical Journal International*, 205, 243-256. <https://doi.org/10.1093/gji/ggw004>
43. Fiandaca G., Doetsch J., Vignoli G. & Auken E. (2015). Generalized focusing of time-lapse changes with applications to direct current and time-domain induced polarization inversions, *Geophysical Journal International*, 203, 1101-1112. <https://doi.org/10.1093/gji/ggv350>
44. Doetsch J., Fiandaca G., Auken E., Christiansen A.V., Cahill A.G. & Jakobsen R. (2015). Field-scale time-domain spectral induced polarization monitoring of geochemical changes induced by injected CO₂ in a shallow aquifer, *Geophysics*, 80, WA113-WA126. <https://doi.org/10.1190/geo2014-0315.1>
45. Vignoli G., Fiandaca G., Christiansen A.V., Kirkegaard C. & Auken E. (2015). Sharp spatially constrained inversion with applications to transient electromagnetic data, *Geophysical Prospecting*, 63, 243-255. <https://doi.org/10.1111/1365-2478.12185>
46. Johansson S., Fiandaca G. & Dahlin T. (2015). Influence of non-aqueous phase liquid configuration on induced polarization parameters: Conceptual models applied to a time-domain field case study, *Journal of Applied Geophysics*, 123, 295-309. <https://doi.org/10.1016/j.jappgeo.2015.08.010>
47. Auken E., Christiansen A.V., Kirkegaard C., Fiandaca G., Schamper C., Behroozmand A.A., Binley A., Nielsen E., Efferso F., Christensen N.B., Sørensen K., Foged N. & Vignoli G. (2015). An overview of a highly versatile forward and stable inverse algorithm for airborne, ground-based and borehole electromagnetic and electric data, *Exploration Geophysics*, 46, 223-235. <https://doi.org/10.1071/eg13097>
48. Doetsch J., Ingeman-Nielsen T., Christiansen A.V., Fiandaca G., Auken E. & Elberling B. (2015). Direct current (DC) resistivity and induced polarization (IP) monitoring of active layer dynamics at high temporal resolution, *Cold Regions Science and Technology*, 119, 16-28. <https://doi.org/10.1016/j.coldregions.2015.07.002>
49. Olsson P.-I., Dahlin T., Fiandaca G. & Auken E. (2015). Measuring time-domain spectral induced polarization in the on-time: decreasing acquisition time and increasing signal-to-noise ratio, *Journal of Applied Geophysics*, 123, 316-321. <https://doi.org/10.1016/j.jappgeo.2015.08.009>
50. Chongo M., Christiansen A.V., Fiandaca G., Nyambe I.A., Larsen F. & Bauer-Gottwein P. (2015). Mapping localised freshwater anomalies in the brackish paleo-lake sediments of the Machile-Zambezi Basin with transient electromagnetic sounding, geoelectrical imaging and induced polarisation, *Journal of Applied Geophysics*, 123, 81-92. <https://doi.org/10.1016/j.jappgeo.2015.10.002>

51. Auken E., Doetsch J., Fiandaca G., Christiansen A.V., Gazoty A., Cahill A.G. & Jakobsen R. (2014). Imaging subsurface migration of dissolved CO₂ in a shallow aquifer using 3-D time-lapse electrical resistivity tomography, *Journal of Applied Geophysics*, 101, 31-41. <https://doi.org/10.1016/j.jappgeo.2013.11.011>
52. Fiandaca G., Ramm J., Binley A., Gazoty A., Christiansen A.V. & Auken E. (2013). Resolving spectral information from time domain induced polarization data through 2-D inversion, *Geophysical Journal International*, 192, 631-646. <https://doi.org/10.1093/gji/ggs060>
53. Gazoty A., Fiandaca G., Pedersen J., Auken E. & Christiansen A.V. (2013). Data repeatability and acquisition techniques for time-domain spectral induced polarization, *Near Surface Geophysics*, 11, 391-406. <https://doi.org/10.3997/1873-0604.2013013>
54. Herckenrath D., Fiandaca G., Auken E. & Bauer-Gottwein P. (2013). Sequential and joint hydrogeophysical inversion using a field-scale groundwater model with ERT and TDEM data, *Hydrology and Earth System Sciences*, 17, 4043-4060. <https://doi.org/10.5194/hess-17-4043-2013>
55. Fiandaca G., Auken E., Christiansen A.V. & Gazoty A. (2012). Time-domain-induced polarization: Full-decay forward modeling and 1D laterally constrained inversion of Cole-Cole parameters, *Geophysics*, 77, E213-E225. <https://doi.org/10.1190/geo2011-0217.1>
56. Gazoty A., Fiandaca G., Pedersen J., Auken E. & Christiansen A.V. (2012). Mapping of landfills using time-domain spectral induced polarization data: the Eskelund case study, *Near Surface Geophysics*, 10, 575-586. <https://doi.org/10.3997/1873-0604.2012046>
57. Gazoty A., Fiandaca G., Pedersen J., Auken E., Christiansen A.V. & Pedersen J.K. (2012). Application of time domain induced polarization to the mapping of lithotypes in a landfill site, *Hydrology and Earth System Sciences*, 16, 1793-1804. <https://doi.org/10.5194/hess-16-1793-2012>
58. Behroozmand A.A., Auken E., Fiandaca G. & Christiansen A.V. (2012). Improvement in MRS parameter estimation by joint and laterally constrained inversion of MRS and TEM data, *Geophysics*, 77, WB191-WB200. <https://doi.org/10.1190/geo2011-0404.1>
59. Behroozmand A.A., Auken E., Fiandaca G., Christiansen A.V. & Christensen N.B. (2012). Efficient full decay inversion of MRS data with a stretched-exponential approximation of the distribution, *Geophysical Journal International*, 190, 900-912. <https://doi.org/10.1111/j.1365-246X.2012.05558.x>
60. Capizzi P., Cellura D., Cosentino P., Fiandaca G., Martorana R., Messina P., Schiavone S. & Valenza M. (2010). Integrated hydrogeochemical and geophysical surveys for a study of sea-water intrusion, *Bollettino Di Geofisica Teorica Ed Applicata*, 51, 285-300
61. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P. & Amoroz I.R. (2010). Identification of Precious Artefacts: The Sonic Imprint for Small Artefacts, *Current Analytical Chemistry*, 6, 111-117. <https://doi.org/10.2174/157341110790069637>
62. Fiandaca G., Martorana R., Messina P. & Cosentino P.L. (2010). The MYG methodology to carry out 3D electrical resistivity tomography on media covered by vulnerable surfaces of artistic value, *Nuovo Cimento Della Societa Italiana Di Fisica B-Basic Topics in Physics*, 125, 711-718. <https://doi.org/10.1393/ncb/i2010-10885-3>
63. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R. & Messina P. (2009). Advances in microgeophysics for engineering and cultural heritage, *Journal of Earth Science*, 20, 626-639. <https://doi.org/10.1007/s12583-009-0052-x>
64. Martorana R., Fiandaca G., Ponsati A.C. & Cosentino P.L. (2009). Comparative tests on different multi-electrode arrays using models in near-surface geophysics, *Journal of Geophysics and Engineering*, 6, 1-20. <https://doi.org/10.1088/1742-2132/6/1/001>
65. Capizzi P., Cosentino P.L., Fiandaca G., Martorana R., Messina P. & Vassallo S. (2007). Geophysical investigations at the Himera archaeological site, northern Sicily, *Near Surface Geophysics*, 5, 417-426. <https://doi.org/10.3997/1873-0604.2007024>
66. Fiandaca G., Vitrano E., Cupane A. (2004). Ferricytochrome c encapsulated in silica nanoparticles: Structural stability and functional properties, *Biopolymers*, 74, 55-59. <https://doi.org/10.1002/bip.20043>

Articles published in books and proceedings of international conferences

67. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Razo amoroz I. (2009). Physical identification of precious artefacts: their sonic imprint. In *I quaderni di Palazzo Montalbo n° 15, Proceedings of III International Study Meeting "The material and the signs of history"*, 269-276, ISBN: 978-88-6164-086-3.
68. Casas A., Cosentino P.L., Díaz Y., Fiandaca G., García E., Himi M., Lafuente M., Martorana R., Macías J.M., Menchón J., Muñoz A., Sala R., Teixell I. (2009). Integrated archaeological and geophysical survey for searching the roman temple of Augustus in Terragona, Spain. In *I quaderni*

di Palazzo Montalbo n° 15, *Proceedings of III International Study Meeting "The material and the signs of history"*, 277-283, ISBN: 978-88-6164-086-3.

69. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Razo Amoroz I. (2008). The Sonic Imprint to identify and monitor precious artefacts: further developments. *Atti del Convegno internazionale SMW08 - Firenze, 27-29 October 2008: In situ Monitoring of Monumental Surfaces*, 175-184, ISBN: 978-88-7970-390-1.
70. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Razo Amoroz I., Pellegrino L. (2007). Diagnostica per il consolidamento del mosaico pavimentale dell'ambulacro nella villa romana del casale (Piazza Armerina). *Atti del XXIII° Convegno internazionale - Bressanone 10-13 July 2007: Il consolidamento degli apparati architettonici e decorativi conoscenze, orientamenti, esperienze*, 91-98 + tav 7, ISBN: 978-88-95409-11-5.
71. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Pellerito S. (2007). Study and monitoring of salt water intrusion in the coastal area between Mazara del Vallo and Marsala (South-Western Sicily). *Methods and Tools for Drought Analysis and Management. Series: Water Science and Technology Library*, Vol. 62., XVI, 303-321, ISBN: 978-1-4020-5923-0.
72. Cammarata M., Caronna C., Fiandaca G., Levantino M., Schirò G., Vitrano E., Cupane A. (2003). Water and proteins confined in silica hydrogels and silica nanoparticles: structural, dynamic and functional studies. In *Progress in Condensed Matter Physics*, G. Mondio and L. Silipigni eds., SIF, Bologna, 2003, 139-152, ISBN: 88-7438-010-0.

Extended abstracts published in proceedings of international conferences (name underlined when presenter)

73. Signora, A., Fiandaca, G. (2024). Seasonal temperature effect compensation in ERT monitoring without ground thermal measurements. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2024, 1st ASEG DISCOVER Symposium, Hobart, Australia, 2024* (pp. 1-4).
74. Chen, J., Zhang, B., Fiandaca, G. (2024). Three-dimensional AEM inversion considering IP effect using Octree mesh. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2024, 1st ASEG DISCOVER Symposium, Hobart, Australia, 2024* (pp. 1-3).
75. Fiandaca, G., Chen, J., Zhang, B. (2024). Closing the gap between galvanic and inductive methods: EEMverter, a new inversion tool for Electric and Electromagnetic data with focus on Induced Polarization. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2024, 1st ASEG DISCOVER Symposium, Hobart, Australia, 2024* (pp. 1-3).
76. Signora, A., Galli, S., Dauti, F., Fiandaca, G. (2024). Joint Inversion of Electrical and Electromagnetic data including IP: a Methodological breakthrough. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2024, 1st ASEG DISCOVER Symposium, Hobart, Australia, 2024* (pp. 1-7).
77. Dauti, F., Viezzoli, A., Fernandez, I., Chen, J., Fiandaca, G. (2024). Airborne IP driven exploration for a green-field research project. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2024, 1st ASEG DISCOVER Symposium, Hobart, Australia, 2024* (pp. 1-6).
78. Viezzoli, A., Dauti, F., Mule, S., Munday, T., Brodie, R., Fiandaca, G., Farinelli, S. (2024). Modelling IP in Tempest data: the first preliminary steps and insights. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2024, 1st ASEG DISCOVER Symposium, Hobart, Australia, 2024* (pp. 1-5).
79. Dauti, F., Viezzoli, A., Jesus, A., Guerra, M., Delgado, F., Fernandez, I., & Fiandaca, G. (2024, September). Exploration of Fe-Ti-V Oxides in an Orthomagmatic System Using the Airborne Induced Polarization. In *NSG 2024 5th Conference on Geophysics for Mineral Exploration and Mining* (Vol. 2024, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
80. Fiandaca, G., Chen, J., & Zhang, B. (2024). EEMverter, a new modelling tool for Electric and Electromagnetic data with focus on induced polarization. In *NSG 2024 30th European Meeting of Environmental and Engineering Geophysics* (Vol. 2024, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
81. Sullivan, N. A. L., Viezzoli, A., Fiandaca, G. (2024). EEMstudio: process and model electric and electromagnetic data with a QGIS plugin. In *NSG 2024 30th European Meeting of Environmental and Engineering Geophysics* (Vol. 2024, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
82. Chen, J., Fiandaca, G. (2024). Bayesian Inversion for Large-Scale Towed Transient Electromagnetic Data Using Probabilistic Neural Networks. In *NSG 2024 30th European Meeting of Environmental and Engineering Geophysics* (Vol. 2024, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.

83. Chen, J., Zhang, B., & Fiandaca, G. (2024). Three-dimensional vector finite element forward modelling and inversion for airborne electromagnetic data using adaptive Octree mesh. In *NSG 2024 4th Conference on Airborne, Drone and Robotic Geophysics* (Vol. 2024, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
84. Dauti, F., Viezzoli, A., Fiandaca, G. (2024). Airborne and Ground IP: an integrated approach for exploration. In *Book of Abstracts 42nd National Conference, GNGTS 2024, Ferrara, Italy, 2024* (pp. 1-7).
85. Dauti, F., Viezzoli, A., Fiandaca, G. (2024). Inductive Induced Polarization Effects Loupe EM synthetic case study. In *Book of Abstracts 42nd National Conference, GNGTS 2024, Ferrara, Italy, 2024* (pp. 1-5).
86. Fiandaca, G., Signora, A., Galli, S., Chen, J., Compostella, C., Gisolo, M., Viezzoli, A. (2024). Mapping surface/ground water interactions an embankment composition along the Po river with transient electromagnetics. In *Book of Abstracts 42nd National Conference, GNGTS 2024, Ferrara, Italy, 2024* (pp. 1-3).
87. Galli, S., Signora, A., Chen, J., Schaars, F., Grohen, M., Fiandaca, G. (2024). Waterborne electromagnetics: two case studies. In *Book of Abstracts 42nd National Conference, GNGTS 2024, Ferrara, Italy, 2024* (pp. 1-5).
88. Lucchelli, A., Signora, A., Dauti, F., Galli, S., Gisolo, M., Fiandaca, G. (2024). Characterizing groundwater springs in the Italian Alps: an integrated geological, geophysical, and hydrogeological approach. In *Book of Abstracts 42nd National Conference, GNGTS 2024, Ferrara, Italy, 2024* (pp. 1-4).
89. Signora, A., Galli, S., Dauti, F., Sullivan, N.A.L., Lucchelli, A., Gisolo, M., Fiandaca, G. (2024). The Italian calibration and reference site for E & EM geophysical methods: The HydroGeosITe. In *Book of Abstracts 42nd National Conference, GNGTS 2024, Ferrara, Italy, 2024* (pp. 1-7).
90. Sullivan, N.A.L., Viezzoli, A., Fiandaca, G. (2024). EEMstudio: processing and modelling of electric and electromagnetic data in a QGIS plugin. In *Book of Abstracts 42nd National Conference, GNGTS 2024, Ferrara, Italy, 2024* (pp. 1-5).
91. Bollino, A., Fiandaca, G. (2024). Full-decay spectral modelling of time-domain induced polarization decoupling model and forward meshes with EEMverter. In *Book of Abstracts 42nd National Conference, GNGTS 2024, Ferrara, Italy, 2024* (pp. 1-5).
92. Chen, J., Fiandaca, G. (2024). Bayesian imaging method for towed transient electromagnetic data using probabilistic neural networks. In *Book of Abstracts 42nd National Conference, GNGTS 2024, Ferrara, Italy, 2024* (pp. 1-6).
93. Fiandaca, G., Zhang, B., Chen, J., Signora, A., Dauti, F., Galli, S., Sullivan, N.A.L., Bollino, A., Viezzoli, A. (2024). EEMverter, a new 1D/2D/3D inversion tool for Electric and Electromagnetic data with focus on Induced Polarization. In *Book of Abstracts 42nd National Conference, GNGTS 2024, Ferrara, Italy, 2024* (pp. 1-7).
94. Galli, S., Schaars, F., Smits, F., Borst, L., Rapiti, A., Fiandaca, G. (2024). Automated integration of AEM data, VES and borehole logs. In *Book of Abstracts 42nd National Conference, GNGTS 2024, Ferrara, Italy, 2024* (pp. 1-7).
95. Dauti F., Viezzoli A., Fernandez I., Royall J., Fiandaca G. (2024). Airborne and Ground IP integration for mineral exploration: a Spanish case study. In *KEGS Conference Booklet, KEGS Symposium 2024, Toronto, Canada* (pp. 1-4).
96. Dauti, F., Viezzoli, A., Fiandaca, G. (2024). Inductive Induced Polarization: integration with galvanic DCIP and joint inversion. In *Book of Abstracts 7th International IP Workshop, Lund, Sweden, 2024* (pp. 1-2).
97. Romhild, L., Fiandaca, G., Bayer, P. (2024). Tackling petrophysical ambiguities in IP-K relations by joint inversion of hydraulic tomography and induced polarization data. In *Book of Abstracts 7th International IP Workshop, Lund, Sweden, 2024* (pp. 1-2).
98. Galli, S., Signora, A., Schaars, F., Grohen, M., Fiandaca, G. (2024). Investigating induced polarization in Floatem Data. In *Book of Abstracts 7th International IP Workshop, Lund, Sweden, 2024* (pp. 1-2).
99. Bollino, A., Fiandaca, G. (2024). Inversion of galvanic time-domain IP data in terms of Debye-Warburg decomposition. In *Book of Abstracts 7th International IP Workshop, Lund, Sweden, 2024* (pp. 1-2).
100. Chen, J., Zhang, B., Fiandaca, G. (2024). Three-dimensional vector finite element forward modeling and inversion for airborne electromagnetic data considering induced polarization effect. In *Book of Abstracts 7th International IP Workshop, Lund, Sweden, 2024* (pp. 1-2).
101. Fiandaca, G., Zhang, B., Chen, J., Signora, A., Dauti, F., Galli, S., Sullivan, N.A.L., Bollino, A., Viezzoli, A. (2024). Closing the gap between galvanic and inductive induced polarization:

- EEMverter, a new modelling tool for Electric and Electromagnetic data. In *Book of Abstracts 7th International IP Workshop, Lund, Sweden, 2024* (pp. 1-2).
102. Signora, A., Galli, S., Dauti, F., Sullivan, N.A.L., Lucchelli, A., Gisolo, M., Fiandaca, G. (2024). Joint inversion of E&EM data with IP modelling: The HydroGeosITe case study. In *Book of Abstracts 7th International IP Workshop, Lund, Sweden, 2024* (pp. 1-2).
 103. Sullivan, N.A.L., Viezzoli, A., Fiandaca, G. (2024). EEMstudio: a QGIS plugin for processing and modelling of electric and electromagnetic data with focus on induced polarization. In *Book of Abstracts 7th International IP Workshop, Lund, Sweden, 2024* (pp. 1-2).
 104. Dauti, F., Munday, T., Mule, S., Fiandaca, G., Brodie, R., Viezzoli, A. (2024). An introductory step towards modelling IP in Tempest data. In *18th SAGA Biennial Conference & Exhibition 2024*, pp. 1-4, *Extended Abstracts*.
 105. Fiandaca, G., Zhang, B., Chen, J., Signora, A., Dauti, F., Galli, S., Sullivan, N.A.L., Bollino, A., Viezzoli, A. (2023). Closing the gap between galvanic and inductive methods: EEMverter, a new 1d/2d/3d inversion tool for electric and electromagnetic data with focus on induced polarisation. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2023 (2), 8th International Airborne Electromagnetics Workshop, Fitzroy Island, 2023* (pp. 1-6).
 106. Sullivan, N.A.L., Viezzoli, A., Fiandaca, G. (2023). EEMstudio: an open-source freeware QGIS plugin for processing, modelling and inversion of electric and electromagnetic data. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2023 (2), 8th International Airborne Electromagnetics Workshop, Fitzroy Island, 2023* (pp. 1-5).
 107. Galli, S., Schaars, F., Smits, F., Borst, L., Rapiti, A., Fiandaca, G. (2023). Automated integration of AEM data, VES and borehole logs. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2023 (2), 8th International Airborne Electromagnetics Workshop, Fitzroy Island, 2023* (pp. 1-5).
 108. Signora, A., Galli, S., Gisolo, M., Fiandaca, G. (2023). The HydroGeosITe for AEM mapping: characterization through joint inversion of AEM, ground EM and DCIP data. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2023 (2), 8th International Airborne Electromagnetics Workshop, Fitzroy Island, 2023* (pp. 1-5).
 109. Dauti, F., Viezzoli, A., Fiandaca, G. (2023). Joint Inversions of AEM modelling AIP effects: Helicopter-borne, Ground IP and Fixed-Wing systems. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2023 (2), 8th International Airborne Electromagnetics Workshop, Fitzroy Island, 2023* (pp. 1-5).
 110. Dauti, F., Viezzoli, A., Fiandaca, G. (2023). Airborne and Ground Induced Polarization integration: new insights for exploration. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2023, 4th Australasian Exploration Geoscience Conference, Brisbane, 2023*. (pp. 1-7).
 111. Fiandaca, G., Dauti, F., Signora, A. (2022). Effect of Induced Polarization on Galvanic and Inductive Data: Where is it Stronger? In *NSG2022 4th Conference on Geophysics for Mineral Exploration and Mining* (Vol. 2022, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
 112. Dauti, F., Viezzoli, A., Fiandaca, G. (2022). Induced Polarization Effects in Loupe Electromagnetic System. In *NSG2022 4th Conference on Geophysics for Mineral Exploration and Mining* (Vol. 2022, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
 113. Signora, A., Fiandaca, G., & Finotti, F. (2022). Temperature Correction for Long-Time Dc Monitoring Experiments. In *NSG2022 28th European Meeting of Environmental and Engineering Geophysics* (Vol. 2022, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
 114. Signora, A., Spagna, S., Sullivan, N.A.L., Burkey, B., Linardi, M., Dauti, F., Lucchelli, A., Gisolo, M., Fiandaca, G. (2022). Characterization of geological heterogeneity through time-domain induced polarization at contaminated sites: the case of a former gravel pit filled with waste. In *Book of Abstracts 6th International IP Workshop, Annecy, France, 2022* (pp. 1-2).
 115. Fiandaca, G., Madsen, L.M., Martin, T., Olmo, M., Maurya, P.K. (2022). Direct inversion of hydraulic conductivity from Induced Polarization field data. In *Book of Abstracts 6th International IP Workshop, Annecy, France, 2022* (pp. 1-3).
 116. Fiandaca, G., Dauti, F., Signora, A. (2022). Effect of induced polarization on galvanic and inductive data: where does it matter most? In *Book of Abstracts 6th International IP Workshop, Annecy, France, 2022* (pp. 1-3).
 117. Dauti, F., Viezzoli, A., Fiandaca, G. (2022). - Induced Polarization Effects in Electromagnetic data: the Loupe case study. In *Book of Abstracts 6th International IP Workshop, Annecy, France, 2022* (pp. 1-2).
 118. Dauti, F., Viezzoli, A., Fiandaca, G. (2022). First attempts to model AIP in fixed-wing EM data. In *17th SAGA Biennial Conference & Exhibition 2022*, pp. 1-6, *Extended Abstracts*.

119. Xiao, L., Fiandaca, G., Maurya, P. K., Christiansen, A. V., & Lévy, L. (2021, August). Three-dimensional time-lapse inversion of TEM data with application in an Icelandic geothermal site. In *NSG2021 27th European Meeting of Environmental and Engineering Geophysics* (Vol. 2021, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
120. Martin, T., Pauw, P. S., Karoulis, M., Mendoza, A., Günther, T., Madsen, L. M., ... & Fiandaca, G. (2021, August). Inversion of hydraulic conductivity from Induced Polarisation, Part B: field examples from five countries. In *NSG2021 1st Conference on Hydrogeophysics* (Vol. 2021, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
121. Fiandaca, G., Madsen, L. M., Olmo, M., Römhild, L., & Maurya, P. (2021, August). Inversion of hydraulic conductivity from Induced Polarisation, Part A: methodology and verification. In *NSG2021 1st Conference on Hydrogeophysics* (Vol. 2021, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
122. Fiandaca, G. (2021). Inversion-based automatic processing of AEM data. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2021, 3rd Australasian Exploration Geoscience Conference, Brisbane, Australia, 2021* (pp. 1-4).
123. Fiandaca, G., Viezzoli, A. (2021). Inversion of Airborne IP data with a multi-mesh approach for parameter definition. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2021, 3rd Australasian Exploration Geoscience Conference, Brisbane, Australia, 2021* (pp. 1-6).
124. Viezzoli, A., Fiandaca, G. (2021). Closing the gap between ground and airborne IP data modelling. In *Australian Society of Exploration Geophysicists Extended Abstracts, Volume 2021, 3rd Australasian Exploration Geoscience Conference, Brisbane, Australia, 2021* (pp. 1-4).
125. Lévy, L., Maurya, P. K., Fiandaca, G., Bording, T. S., Madsen, L. M., Gailler, L., ... & Árnason, K. (2020). Geo-electrical monitoring of H₂S mineralization into pyrite, upon re-injection in basalts at Nesjavellir Geothermal site, Iceland. In *World Geothermal Congress* (Vol. 1, pp. 1-10).
126. Couto Jr, M. A., Fiandaca, G., Maurya, P. K., Auken, E., Christiansen, A. V., & Porsani, J. L. (2019). AEMIP Inversion for Gold Exploration Using Maximum Phase Angle Parameterization-Case in Quadrilátero Ferrífero Area, Brazil. In *25th European Meeting of Environmental and Engineering Geophysics* (Vol. 2019, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
127. Engebretsen, K. W., Zhang, B., Fiandaca, G., & Auken, E. (2019). A 3D Inversion Algorithm Using a Triple Mesh Approach and Domain-Decomposition for Fast Computations. In *25th European Meeting of Environmental and Engineering Geophysics* (Vol. 2019, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
128. Madsen, L. M., Fiandaca, G., & Auken, E. (2019). An algorithm for 3D modelling of direct current resistivity and full-response time-domain induced polarization data. In *25th European Meeting of Environmental and Engineering Geophysics* (Vol. 2019, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
129. Fiandaca, G., Olsson, P., Maurya, P. K., Kühn, A., Bording, T. S., Dahlin, T., & Auken, E. (2019). Non-standard responses in time-domain induced polarization measurements. In *25th European Meeting of Environmental and Engineering Geophysics* (Vol. 2019, No. 1, pp. 1-5). European Association of Geoscientists & Engineers.
130. Steklova, K., Lawrie, K., Auken, E., Christiansen, A. V., & Fiandaca, G. (2019). Overly steep decays in airborne TEM data and their link to chargeability: example from the Howards East District, NT, Australia. *ASEG Extended Abstracts, 2019(1)*, 1-5.
<https://doi.org/10.1080/22020586.2019.12073088>
131. Grombacher, D., Fiandaca, G., Auken, E. (2018). *Constraining the T₂*-T₂ relationship in surface nuclear magnetic resonance free-induction decay data*. In SEG Technical Program Expanded Abstracts 2018 (pp. 4914-4918). Society of Exploration Geophysicists. 10.1190/segam2018-2998133.1
132. Fiandaca G., (2018). *Induction-free acquisition range in spectral time- and frequency-domain induced polarization at field scale*. Near Surface Geoscience 2018-24th European Meeting of Environmental and Engineering Geophysics (Accepted).
133. Fiandaca G., Maurya P.K., Balbarini N., Hördt A., Møller I., Rønde V., Foged N., Bjerg P.L., Christiansen A.V., Auken E. (2018). *Hydraulic permeability prediction from Induced Polarization data at field scale*. Near Surface Geoscience 2018-24th European Meeting of Environmental and Engineering Geophysics (Accepted).
134. Grombacher D., Fiandaca G., Auken E. (2018). *Constraining the T₂*-T₂ relationship in surface nuclear magnetic resonance free-induction decay data*. SEG Technical Program, Extended Abstract, 4914-4918.

135. **Fiandaca G.**, Lin C., Auken E., Christiansen A.V. (2018). *Robust inversion of induced polarization effects in airborne transient electromagnetic*. AEM2018, 7th International Workshop on Airborne Electromagnetics, 17-20 June 2018, Kolding (Denmark).
136. Cai H., Auken E., Fiandaca G. (2018). *3D finite element modelling and inversion with unstructured mesh for ground-based and semi-airborne TEM data*. AEM2018, 7th International Workshop on Airborne Electromagnetics, 17-20 June 2018, Kolding (Denmark).
137. Madsen L.M., Fiandaca G., Auken E., Christiansen A.V. (2017). *Resolution of DC Resistivity-thickness Equivalences by Inclusion of Induced Polarization Data*, Near Surface Geoscience 2017-23rd European Meeting of Environmental and Engineering Geophysics. 10.3997/2214-4609.201702032
138. Maurya P.K., **Fiandaca G.**, Weigand M., Kemna A., Christiansen A.V., Auken E. (2017). *Comparison of Frequency-domain and Time-domain Spectral Induced Polarization Methods at Field Scale*, Near Surface Geoscience 2017-23rd European Meeting of Environmental and Engineering Geophysics. 10.3997/2214-4609.201701977
139. **Fiandaca G.**, Madsen L.M., Maurya P.K. (2017). *Re-parameterization of the Cole-Cole Model for Improved Spectral Inversion of Induced Polarization Data*, Near Surface Geoscience 2017-23rd European Meeting of Environmental and Engineering Geophysics. 10.3997/2214-4609.201702026
140. Bording T., Fiandaca G., Maurya P.K., Auken E. (2017). *Mapping possible flowpaths of contaminants through surface and cross-borehole spectral time-domain induced polarization*, Near Surface Geoscience 2017-23rd European Meeting of Environmental and Engineering Geophysics. 10.3997/2214-4609.201702031
141. Moeller I., Maurya P.K., Fiandaca G., Balbarini N., Rønde V., Kallesøe A.J., Klint K.E.S., Christiansen A.V., Bjerg P.L. (2017). *Detailed 3D Geological Modelling at a Contaminated Stream Using Geophysical, Geological and Chemical Data-A Challenge*, Near Surface Geoscience 2017-23rd European Meeting of Environmental and Engineering Geophysics. 10.3997/2214-4609.201702006
142. Mudler J., Fiandaca G., Hördt A., Hauck C., Maurya P.K., Przyklenk A. (2017). *Spectral Inversion of Capacitive Resistivity Data for the Investigation Frozen Ground*, Near Surface Geoscience 2017-23rd European Meeting of Environmental and Engineering Geophysics. 10.3997/2214-4609.201702025
143. Auken E., Boesen T., Christiansen A.V., Fiandaca G., Pfaffhuber A., Vöge M. (2017). *Hybrid Inversion of Airborne Frequency Domain Data*, Near Surface Geoscience 2017-2nd European Airborne Electromagnetics Conference. 10.3997/2214-4609.201702148
144. Lin C., Auken E., Fiandaca G., Christiansen A.V. (2017). *Two-dimensional Induced Polarization Effects on Airborne Time Domain Electromagnetic Data*, Near Surface Geoscience 2017-2nd European Airborne Electromagnetics Conference. 10.3997/2214-4609.201702152
145. Maurya P.K., Christiansen A.V., Fiandaca G., Auken E. (2016). *3D Resistivity and Induced Polarization for Leachate Plume Identification at a Challenging Field Site*, Near Surface Geoscience 2016-22nd European Meeting of Environmental and Engineering Geophysics. 10.3997/2214-4609.201601954
146. **Fiandaca G.**, Olsson P.I., Larsen J.J., Dahlin T., Auken E. (2016). *Doubling the spectrum of time-domain induced polarization by harmonic de-noising, drift/spike removal and tapered gating*, Near Surface Geoscience 2016-22nd European Meeting of Environmental and Engineering Geophysics. 10.3997/2214-4609.201602021
147. **Fiandaca G.**, Auken E., Christiansen A.V. (2016). *Advances in spectral inversion of time-domain induced polarization*, IP2016 - 4th International Workshop on Induced Polarization, 6-8 June 2016, Aarhus (Denmark).
148. Olsson P.I., Fiandaca G., Larsen J.J., Dahlin T., Auken E. (2016). *Doubling the spectrum of time-domain induced polarization: removal of non-linear self-potential drift, harmonic noise and spikes, tapered gating, and uncertainty estimation*, IP2016 - 4th International Workshop on Induced Polarization, 6-8 June 2016, Aarhus (Denmark)
149. Auken E., Fiandaca G., Christiansen A.V., Maurya P.K., Holm H. (2016). *Mapping the lithotypes using the in-situ measurement of time domain induced polarization: El-log*, IP2016 - 4th International Workshop on Induced Polarization, 6-8 June 2016, Aarhus (Denmark)
150. Møller I., Maurya P.K., Balbarini N., Fiandaca G., Christiansen A.V., Holm H., Rønde V., Klint K.E., Auken E., Bjerg P.L. (2016). *Is the IP response related to geology or contaminants in a leachate plume at the Grindsted Landfill, Denmark?*, IP2016 - 4th International Workshop on Induced Polarization, 6-8 June 2016, Aarhus (Denmark)
151. Lajaunie M., Maurya P.K., Fiandaca G. (2016). *Comparison of Cole-Cole and Constant Phase Angle modeling in time-domain induced polarization*, IP2016 - 4th International Workshop on Induced Polarization, 6-8 June 2016, Aarhus (Denmark)

152. Maurya P.K., Fiandaca G., Auken E., Christiansen A.V. (2016). *Lithological characterization of a contaminated site using Direct current resistivity and time domain Induced Polarization*, IP2016 - 4th International Workshop on Induced Polarization, 6-8 June 2016, Aarhus (Denmark)
153. Viezzoli A., Kaminskiy V., Fiandaca G. (2016). *Examples of modelling IP in AEM data: synthetic and real data*, IP2016 - 4th International Workshop on Induced Polarization, 6-8 June 2016, Aarhus (Denmark)
154. Madsen L.M., Kirkegaard C., Fiandaca G., Christiansen A.V., Auken E. (2016). *An analysis of Cole-Cole parameters for IP data using Markov chain Monte Carlo*, IP2016 - 4th International Workshop on Induced Polarization, 6-8 June 2016, Aarhus (Denmark)
155. Auken E., Christiansen A.V., Andersen K., Fiandaca G., (2016). *Effective and accurate processing and inversion of airborne electromagnetic data*, ASEG Extended Abstracts.
156. Christiansen A., Maurya P., Fiandaca G. & Auken E. (2015). *Detailed Leachate Mapping Using a 441 Electrode Full 3D Setup Using an Extendable Fishbone Layout*, Near Surface Geoscience 2015-21st European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.201413792.
157. Scheibz J., Bazin S., Pfaffhuber A. & Fiandaca G. (2015). *Total Chargeability versus Full Wave Form Time Domain IP Inversion-A Case Study from a DNAPL Contamination in Norway*, Near Surface Geoscience 2015-21st European Meeting of Environmental and Engineering Geophysics. 10.3997/2214-4609.201413780.
158. **Fiandaca G.**, Kirkegaard C., Foged N., Christiansen A., Auken E. (2015). *Sharp Spatially-decoupled Inversion of Airborne Electromagnetic Data for Improved Model Integration*, First European Airborne Electromagnetics Conference, 1-4. 10.3997/2214-4609.201413884.
159. Olsson P.-I., Fiandaca G., Dahlin T., Auken E. (2015). *Impact of Time-domain IP Pulse Length on Measured Data and Inverted Models*, Near Surface Geoscience 2015-21st European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.201413755.
160. Doetsch J., Fiandaca G., Ingeman-Nielsen T., Christiansen A., Auken E. & Elberling B. (2015). *Direct Current (DC) Resistivity and Induced Polarization (IP) Monitoring of Active Layer Dynamics at High Temporal Resol*, Near Surface Geoscience 2015-21st European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.201413722.
161. Rezvani A., Dahlin T., Olsson P.-I., Fiandaca G., Ahnfelt P. (2015). *Spectral Time Domain IP-Factors Affecting Data Information Content and Applicability to Geological Characterization*, Near Surface Geoscience 2015-21st European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.201413818.
162. Maurya P., Christiansen A., Fiandaca G., Lajaunie M., Auken E. (2015). *Detailed Mapping of a Leachate Plume from a Landfill Using Full-decay Time-domain DC-IP*, Near Surface Geoscience 2015-21st European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.201413782.
163. **Fiandaca G.**, Christiansen A. & Auken E. (2015). *Depth of Investigation for Multi-parameters Inversions*, Near Surface Geoscience 2015-21st European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.201413797.
164. Kaminski V., Menghini A., Viezzoli A., Fiandaca G. (2015). *Case Studies of Modelling IP Effects in AEM Data*, First European Airborne Electromagnetics Conference, 1-4. 10.3997/2214-4609.201413878.
165. Viezzoli A., Kaminski V., Ley Cooper Y., Hardy L., Fiandaca G. (2015). *Improving modelling of AEM data affected by IP, two case studies*, ASEG Extended Abstracts. 10.1071/ASEG2015ab213.
166. Kirkegaard C., Andersen K., Boesen T., V. Christiansen A., Auken E., Fiandaca G. (2015). *Utilizing massively parallel co-processors in the AarhusInv 1D forward and inverse AEM modelling code*, ASEG Extended Abstracts. 10.1071/ASEG2015ab125.
167. Auken E., Fiandaca G., Kirkegaard C., Vest Christiansen A. (2015). *Quasi-3D inversion of full size AEM datasets*, ASEG Extended Abstracts. 10.1071/ASEG2015ab106.
168. Johansson S., Fiandaca G., Dahlin T. (2014). *Field application of resistivity and spectral time domain IP to investigate geoelectrical signatures of free-phase PCE*, Near Surface Geoscience 2014-20th European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20142049.
169. Wemegah D., Fiandaca G., Auken E., Menyeh A., Danuor S. (2014). *Time-domain spectral induced polarization and magnetics for mapping municipal solid waste deposits in Ghana*, Near Surface Geoscience 2014-20th European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20142084.
170. Olsson P.-I., Dahlin T., Fiandaca G., Auken E. (2014). *Measuring Time Domain Spectral IP in the On-time-Decreasing Acquisition Time and Increasing Signal-to-noise Ratio*, Near Surface

- Geoscience 2014-20th European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20142058.
171. Vignoli G., **Fiandaca G.**, Christiansen A., Kirkegaard C. & Auken E., 2013. *Sharp spatially constrained inversion*, Near Surface Geoscience 2013-19th EAGE European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20131427.
 172. Doetsch J., Auken E., Christiansen A. & Fiandaca G., 2013. *3-D time-lapse electrical resistivity monitoring of injected CO₂ in a shallow aquifer*, Near Surface Geoscience 2013-19th EAGE European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20131374.
 173. Vignoli G., **Fiandaca G.**, Behroozmand A., Auken E. (2013). *Focused Multi-layer Inversion of Magnetic Resonance Sounding Data*, Near Surface Geoscience 2013-19th EAGE European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20131428.
 174. **Fiandaca G.**, Auken E., Christiansen A., Kirkegaard C. (2013). *Voxel inversion of airborne EM data*, Near Surface Geoscience 2013-19th EAGE European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20131426.
 175. Viezzoli A., Fiandaca G., Auken E., Christiansen A., Sergio S. (2013). *Constrained inversion of IP parameters from Airborne EM data*, ASEG Extended Abstracts. 10.1071/ASEG2013ab274.
 176. Viezzoli A., Fiandaca G., Sergio S. (2013). *Study on the potential of recovering IP parameters from Airborne TEM data in layered geology*, 6th International AEM Conference & Exhibition.
 177. Behroozmand A., Auken E., Fiandaca G., Christiansen A.V. (2012). *MRS Parameter Estimation-Improvement by Joint and Laterally Constrained Inversion of MRS and TEM Data*, Near Surface Geoscience 2012-18th European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20143388.
 178. **Fiandaca G.**, Ramm J., Auken E., Binley A., Christiansen A.V. (2012). *Layered and Laterally Constrained 2D Inversion of Time Domain Induced Polarization Data*, Near Surface Geoscience 2012-18th European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20143365.
 179. Auken E., Fiandaca G. (2012). *Transmitter waveform and receiver transfer function modelling in time domain induced polarization*, ASEG Extended Abstracts. 10.1071/ASEG2012ab323.
 180. **Fiandaca G.**, Auken E., Christiansen A.V., Gazoty A. (2012). Full Waveform Modelling of Time Domain Induced Polarization. in *GNGTS2012*, pp. 87-92.
 181. **Fiandaca G.**, Ramm J., Binley A., Gazoty A., Christiansen A.V., Auken E. (2012). Time domain induced polarization: 2D inversion for spectral information. in *GNGTS2012*.
 182. **Fiandaca G.**, Auken E., Gazoty A., Pedersen J. & Christiansen A., 2011. *Mapping of Landfills Using Time-domain Spectral Induced Polarization Data-The Eskelund Case Study*, Near Surface 2011-17th EAGE European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20144418.
 183. **Fiandaca G.**, Auken E., Christiansen A. & Gazoty A., 2011. *Importance of Transmitter Waveform and Receiver Transfer Function Modelling in Time Domain Induced Polarization*, Near Surface 2011-17th EAGE European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20144424.
 184. Ramm J., **Fiandaca G.**, Binley A., Auken E., Gazoty A. & Christiansen A., 2011. *2D Time Domain Inversion of Induced Polarization Data*, Near Surface 2011-17th EAGE European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20144425.
 185. Behroozmand A., Auken E., Fiandaca G., Dalgaard E. & Larsen J., 2011. *Full FID Inversion of MRS Data*, Near Surface 2011-17th EAGE European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20144393.
 186. Legaz A., Christiansen A.V., Pedersen J., Fiandaca G. & Sørensen K.I., 2010. *Measuring In-situ Time Domain Induced Polarization Data for Landfills Delineation*, Near Surface 2010-16th EAGE European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20144852.
 187. Legaz A., Christiansen A.V., Auken E., Pedersen J., Fiandaca G., 2010. Evaluation of landfill disposal boundaries by means of induced polarization and electrical resistivity imaging. *Proceedings of the 3rd Joint Nordic Meeting on Remediation of contaminated Sites - NordROCS*, 1-4.
 188. Cosentino P., Casas A., Capizzi P., Díaz Y., Fiandaca G., García E., Himi M., Martorana R. & Sala R., 2009. *Integrated geophysical surveys in the Tarragona Cathedral*, Near Surface 2009-15th EAGE European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20146991.

189. **Fiandaca G.**, Martorana R., Messina P. & Cosentino P., 2009. *3D ERT for the study of an ancient wall covered by precious mosaics*, Near Surface 2009-15th EAGE European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20146994.
190. **Fiandaca G.** & Cosentino P., 2008. *The new "Maximum Yield Grid"(MYG) Array in Full 3D Resistivity Tomography*, Near Surface 2008-14th European Meeting of Environmental and Engineering Geophysics. Proceedings & Exhibitors Catalogue, 1-4. 10.3997/2214-4609.20146313.
191. Cosentino P., Capizzi P., Fiandaca G., Martorana R., Messina P. & Amoroz I.R., 2008. *Integrated Full 3D Geoelectrical and GPR Tomographies in the Ambulatory of the Roman*, Near Surface 2008-14th EAGE European Meeting of Environmental and Engineering Geophysics, 1-4. 10.3997/2214-4609.20146241.
192. Cosentino P.L., Capizzi P., Fiandaca G., Graziano G., Martorana R., Messina P., Pellegrino L., Razo Amoroz I., Scalone E., 2006. *The Corridor of the Great Hunting Scene, Villa del Casale (Piazza Armerina). Proceedings of "Recent work in Archaeological Geophysics"* - Geological Society, Burlington House, 7-9.
193. Capizzi P., Cosentino P.L., Fiandaca G., Martorana R., Messina P., Romano R., 2005. *Integrated geophysical survey in the archaeological site of Himera (Northern Sicily). Proceedings of 6th International Conference on Archaeological Prospection*, 48-52, ISBN: 88-902028-0-7.
194. D'Angelo U., Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., 2005. *Importance of geological information for geophysical modelling. Proceedings of 2nd International Conference of Applied Geophysics for Engineering*, 1-6.
195. **Fiandaca G.**, Martorana R. & Cosentino P., 2005. *Use of the linear grid array in 2D resistivity tomography*, Near Surface 2005-11th European Meeting of Environmental and Engineering Geophysics, 1-4.
196. Capizzi P., Cosentino P., Fiandaca G., Martorana R. & Messina P., 2005. *2D GPR and Geoelectrical Modelling-Tests on Man-Made Tunnels and Cavities*, Near Surface 2005-11th European Meeting of Environmental and Engineering Geophysics, 1-4.

Abstracts published in proceedings of international conferences (name underlined when presenter)

197. Dauti F., Viezzoli A., Fiandaca G. (2022). *Induced polarization effects in EM data: The Loupe system case study*. In *108 Congresso Nazionale della Società Italiana di Fisica, Milano, 2022*.
198. Sullivan N.A.L., Viezzoli A., Gisolo M., Fiandaca G. (2022). *Airborne electromagnetics for mapping groundwater resources in the Brescia province (Italy)*. In *108 Congresso Nazionale della Società Italiana di Fisica, Milano, 2022*.
199. Signora, A., Spagna, S., Sullivan, N.A.L., Burkey, B., Lonardi, M., Dauti, F., Lucchelli, A., Gisolo, M., Fiandaca, G. (2022). *Characterization of geological heterogeneity in contaminated sites: The case of a waste-filled former gravel pit*. In *108 Congresso Nazionale della Società Italiana di Fisica, Milano, 2022*.
200. Levy, L., Maurya, P.K., Fiandaca, G., Bording, T.S., Madsen, L.M., Gailler, L., Byrdina, S., Jonsson, J.E., BEnediktsdottir, A., Arnason, K. (2020). *Geo-electrical monitoring of H2S mineralization into pyrite, upon re-injection in basalts at Nesjavellir geothermal site, Iceland*. In *Gelmon 2020, 5th International Workshop on Geoelectric Monitoring, 2020*.
201. Levy, L., Bording, T.S., Christiansen, A.V., Fiandaca, G., Thalund-Hansen, R., Madsen, L.M., Bjerg, P.L. (2020). *Cross-borehole complex geo-electrical monitoring of treatment zone installation in an urban area: Case study from Farum, Denmark*. In *Gelmon 2020, 5th International Workshop on Geoelectric Monitoring, 2020*.
202. Bording, T.S., Levy, L., Fiandaca, G. (2020). *Time-lapse monitoring of landfill leachate through time-domain induced polarization with temperature corrections*. In *Gelmon 2020, 5th International Workshop on Geoelectric Monitoring, 2020*.
203. **Fiandaca, G.**, Madsen, L.M., Kuhl, A., Bording, T.S. (2020). *Generalized Minimum Support Norm for automatic data processing*. In *Gelmon 2020, 5th International Workshop on Geoelectric Monitoring, 2020*.
204. **Fiandaca, G.**, Bording, T.S., Levy, L., Madsen, L.M. (2020). *Generalized Minimum Support Norm for time-lapse inversion*. In *Gelmon 2020, 5th International Workshop on Geoelectric Monitoring, 2020*.
205. Kuhl, A., Bording, T.S., Fiandaca, G. (2020). *Inversion-Based Processing of Time Domain Induced polarization data*. In *Gelmon 2020, 5th International Workshop on Geoelectric Monitoring, 2020*.
206. Zhang Sr, B., Fiandaca, G., Engebretsen Sr, K. W., & Auken, E. (2019). *3D rapid TEM field data inversion*. In *AGU Fall Meeting Abstracts (Vol. 2019, pp. GP13B-0599)*.
207. Couto, M. A., Fiandaca, G., Christiansen, A. V., Porsani, J. L., & Auken, E. (2019). *Inversion of AEM Data with Strong IP Effects Over Metallic Sulfide Dissemination Within Banded Iron Formations*. In *AGU-SEG Airborne Geophysics Workshop. AGU*.

208. Steklova, K., Fiandaca, G., Christiansen, A. V., Auken, E., & Lawrie, K. (2019). Large scale Lateral Constrained Inversion of overly steep IP decays in AEM. In *AGU-SEG Airborne Geophysics Workshop. AGU*.
209. **Fiandaca G.**, Maurya P.K., Balbarini N., Hördt A., Christiansen A.V., Foged N., Bjerg P.L., Auken E. (2018). *Permeability estimation directly from logging-while-drilling Induced Polarization data*, IP2018 - 5th International Workshop on Induced Polarization, 3-5 October 2018, Newark (USA).
210. **Fiandaca G.**, Olsson P.-I., Dahlin T., Auken E. (2018). *On Possible Induced Polarization responses from time-domain measurements*, IP2018 - 5th International Workshop on Induced Polarization, 3-5 October 2018, Newark (USA).
211. **Fiandaca G.**, Madsen L.M., Maurya P.K., 2018. *Re-parametrizations of Cole-Cole models for improved modelling of spectral induced polarization*, IP2018 - 5th International Workshop on Induced Polarization, 3-5 October 2018, Newark (USA).
212. **Fiandaca G.**, 2018. *Induction-free acquisition range in spectral time- and frequency-domain induced polarization at field scale*, IP2018 - 5th International Workshop on Induced Polarization, 3-5 October 2018, Newark (USA).
213. Madsen L.M., **Fiandaca G.**, Cai H., Engebretsen K., Auken E., 2018. *3D modelling of time-domain full-decay induced polarization*, IP2018 - 5th International Workshop on Induced Polarization, 3-5 October 2018, Newark (USA).
214. Madsen L.M., **Fiandaca G.**, Christiansen A.V., Auken E., 2018. *Inclusion of time-domain induced polarization data resolves well-known resistivity-thickness equivalences*, IP2018 - 5th International Workshop on Induced Polarization, 3-5 October 2018, Newark (USA).
215. Maurya P.K., Fiandaca G., Christiansen A.V., Auken E., 2018. *Field-scale comparison of frequency- and time-domain spectral induced polarization*, IP2018 - 5th International Workshop on Induced Polarization, 3-5 October 2018, Newark (USA).
216. Maurya P.K., Balbarini N., Møller I., Rønde V., Christiansen A.V., Bjerg P.L., Auken E., Fiandaca G., 2018. *Subsurface imaging of water electrical conductivity, hydraulic permeability and lithology at contaminated sites by induced polarization*, IP2018 - 5th International Workshop on Induced Polarization, 3-5 October 2018, Newark (USA).
217. Bording T., Fiandaca G., Auken E., Christiansen A.V., 2018. *Monitoring seasonal variations of leaching from a landfill through time-domain induced polarization*, IP2018 - 5th International Workshop on Induced Polarization, 3-5 October 2018, Newark (USA).
218. Bording T., Fiandaca G., Andersen T.R., Madsen L.M., Auken E., 2018. *Optimization of backwashing in rapid sand filters by time-domain IP monitoring*, IP2018 - 5th International Workshop on Induced Polarization, 3-5 October 2018, Newark (USA).
219. **Fiandaca G.**, Madsen L.M., Christiansen A.V., Auken E., 2016. An analysis of spectral content of time-domain induced polarization data using Markov chain Monte Carlo, *AGU Fall meeting 2016*, San Francisco (California, USA), 12-16 December 2015.
220. **Fiandaca G.**, Olsson P.I., Auken E., Larsen J., Maurya P., Dahlin T., 2015. Doubling the spectrum of time-domain induced polarization: removal of harmonic noise and self-potential drift. *NS31A-1958, AGU Fall meeting 2015*, San Francisco (California, USA), 14-18 December 2015.
221. Behroozmand A., Fiandaca G., Auken E., 2015. Sensitivity analysis of central-loop surface NMR data. *Sageep 2015*, Austin (Texas, USA), 22-26 March 2015.
222. **Fiandaca G.**, Auken E., Kirkegaard C., Christiansen A.V., 2014. Voxel inversion of airborne electromagnetic data for improved model integration. *EGU 2014*, Vienna (Austria), 27 April-2 May 2014.
223. **Fiandaca G.**, Doetsch J., Binley A., Christiansen A.V., Auken E., 2014. 2D time domain spectral polarization inversion - full wave modeling and Cole-Cole parameterization. *Proceedings of the 3rd International Workshop on Induced Polarization in Near-Surface Geophysics*, Ile d'Oléron (France), 6-9 April 2014.
224. Doetsch J., Fiandaca G., Auken E., Christiansen A.V., Cahill A.D., Jakobsen K., 2014. Monitoring of a CO₂ injection by time domain SIP. *Proceedings of the 3rd International Workshop on Induced Polarization in Near-Surface Geophysics*, Ile d'Oléron (France), 6-9 April 2014.
225. Auken E., **Fiandaca G.**, Christiansen A.V., Gazoty A., 2014. Characterization of a landfill using 2D time domain SIP. *Proceedings of the 3rd International Workshop on Induced Polarization in Near-Surface Geophysics*, Ile d'Oléron (France), 6-9 April 2014.
226. Doetsch J., Fiandaca G., Auken E., Christiansen A.V., Cahill A.G., Jakobsen R., 2014. Monitoring of CO₂-induced geochemical changes in a shallow aquifer by time domain spectral induced polarization. *EGU 2014*, Vienna (Austria), 27 April-2 May 2014.
227. Doetsch J., Christiansen A.V., Auken E., Fiandaca G., Cahill A.G., 2013. 3-D Time-lapse Electrical Resistivity Monitoring of Injected CO₂ in a Shallow Aquifer. *H51H-1292, AGU Fall meeting 2013*, San Francisco (California, USA), 9-13 December 2013.

228. Auken E., Fiandaca G., Kirkegaard C., Christiansen A.V., 2013. Voxel inversion of airborne electromagnetic data. *NS31A-1670, AGU Fall meeting 2013*, San Francisco (California, USA), 9-13 December 2013.
229. Behroozmand A., Auken E., Fiandaca G., 2013. On the sensitivity analysis of separated-loop MRS data. *NS34A-07, AGU Fall meeting 2013*, San Francisco (California, USA), 9-13 December 2013.
230. **Fiandaca G.**, Doetsch J., Christiansen A.V., Auken E., 2013. DCIP Monitoring of injected CO₂ in a shallow aquifer. *Gelmon 2013, 2nd International Workshop on Geoelectrical Monitoring*, Vienna (Austria), 4-6 December 2013.
231. Doetsch J., Christiansen A.V., Auken E., Fiandaca G., Ingeman-Nielsen T., Elberling B., 2013. Monitoring of active layer freezing in Greenlandic permafrost. *Gelmon 2013, 2nd International Workshop on Geoelectrical Monitoring*, Vienna (Austria), 4-6 December 2013.
232. **Fiandaca G.**, Ramm J., Binley A., Christiansen A.V., Auken E., 2013. Spectral information through 2D inversion of TDIP. *Sageep 2013*, Denver (Colorado, USA), 17-21 March 2013.
233. **Fiandaca G.**, Auken E., Christiansen A.V., Kirkegaard C., 2013. Voxel inversion of airborne EM data for improved model integration. *Sageep 2013*, Denver (Colorado, USA), 17-21 March 2013.
234. Vignoli G., Christiansen A.V., Fiandaca G., 2013. Sharp spatially constrained inversion via minimum gradient support regularization. *Sageep 2013*, Denver (Colorado, USA), 17-21 March 2013.
235. Fiandaca G., Auken E., Christiansen A.V. & Kirkegaard C., 2013. *Voxel Inversion of AEM Data for Improved Model Integration*, 6th International AEM Conference & Exhibition.
236. Vignoli G., Christiansen A.V., Fiandaca G., Kirkegaard C. & Auken E., 2013. *Sharp boundaries in multi-layer models via Minimum Gradient Support regularization*, 6th International AEM Conference & Exhibition.
237. Gazoty A., Auken E., Pedersen J., Fiandaca G., Christiansen A.V., 2011. Reliability of time domain induced polarization data. *Sageep 2011*, Charleston (South Carolina, USA), 10-14 April 2011.
238. **Fiandaca G.**, Auken E., Gazoty A., Christiansen A.V., 2011. Full Waveform Modeling of Time Domain Induced Polarization Data and Inversion. *Sageep 2011*, Charleston (South Carolina, USA), 10-14 April 2011.
239. Behroozmand A., Auken E., Fiandaca G., Christiansen A.V., 2011. Joint inversion of MRS and TEM data. *AGU Fall Meeting 2011*. Outstanding Student Paper Award.
240. **Fiandaca G.**, Auken E., Gazoty A., Christiansen A.V., 2011. Time Domain Induced Polarization: Full Decay Forward Response Modeling and Direct Inversion for Spectral Information. *Proceedings of the 2nd International Workshop on Induced Polarization in Near-Surface Geophysics*, Colorado School of Mines, Golden (Colorado, USA), 31 October - 2 November 2011.
241. **Fiandaca G.**, Gazoty A., Pedersen J., Auken E., Christiansen A.V., 2011. Mapping of landfills using time-domain spectral induced polarization data: The Eskelund case study. *Proceedings of the 2nd International Workshop on Induced Polarization in Near-Surface Geophysics*, Colorado School of Mines, Golden (Colorado, USA), 31 October - 2 November 2011.
242. Bazin S., Pfaffhuber A.A., Fiandaca G., Dahlin T., Cappelen P., French H., Bloem E., 2011. Is commercial IP instrumentation ready for operational pollution plume mapping?. *Proceedings of the 2nd International Workshop on Induced Polarization in Near-Surface Geophysics*, Colorado School of Mines, Golden (Colorado, USA), 31 October - 2 November 2011.
243. Cosentino P.L., Fiandaca G., Messina P., 2007. New non-invasive methodology to detect the external decayed layer of lapideous artefacts. *Proceedings of III International Study Meeting: The material and the signs of history*. Palermo, October 18-21, 2007. Book of abstracts, 50.
244. Cosentino P.L., Fiandaca G., Martorana R., Messina P., 2007. New 3d electrical tomography technique for investigations on vulnerable surfaces. *Proceedings of III International Study Meeting "The material and the signs of history"*. Palermo, October 18-21, 2007, Book of abstracts, 51.
245. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Razo Amoroz I., Pellegrino L., 2006. Microgeophysics for the identity of lapideous cultural goods. *Proceedings of 3rd International Conference of Applied Geophysics for Engineering*, Messina October 11-15, 2006, catg23 pp.1-2.
246. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Romano L., 2004. SPR survey for archaeological researches: the site of Himera. *Proceedings of 1st International Conference of Applied Geophysics for Engineering*, Messina October 13-15, 2004, 63-65.
247. Martorana R., Fiandaca G., Casas A., Cosentino P.L., 2004. Comparative tests of some multi-electrode arrays using models of particular interest in engineering and environmental geophysics. *Proceedings of 1st International Conference of Applied Geophysics for Engineering*, Messina October 13-15, 2004, 74-75.
248. Capizzi P., Cosentino P.L., Fiandaca G., Messina P., Terranova L., 2004. Structural Investigations by Infrared Thermography and SPR. *Proceedings of 1st International Conference of Applied Geophysics for Engineering*. Messina October 13-15, 2004, 60-61.

249. Fiandaca G., Vitrano E., Cupane A., 2003. Proteins encapsulated in silica nanoparticles: structural stability and functional properties. *Proceedings of 10th European Conference on the Spectroscopy of Biological Molecules*. Szeged, Hungary. 30 August - 4 September 2003, 61, ISBN: 963 482 614 8.

Articles published in national journals, books and proceedings

250. Møller I., Høyer A.-S., Klint K.E., Fiandaca G., Maurya P.K., Balbarini N., Christiansen A.V., Møller M.G., Bjerg P.L., 2018. Hvordan kan 3D geologiske modeller bruges i forureningsundersøgelser? *Vand and Jord*, 25 (1), 12-15.
251. Christiansen A.V., Fiandaca G., Maurya P.K., Møller I., Auken E., Balbarini N., Bjerg P.L., 2018. 3D-kortlægning af hydraulisk ledningsevne med nye geofysiske målinger. *Vand and Jord*, 25 (1), 8-11.
252. Bjerg P.L., Balbarini N., Rønde V.K., Christiansen A.V., Maurya P.K., Fiandaca G., Auken E., Møller I., Møller M.G., 2018. Geofysik kortlægger grundvandsforurening. *Vand and Jord*, 25 (1), 16-20.
253. Kaminski V., Viezzoli A., Fiandaca G., Cooper Y.L., Hardy L., 2015. Новые методы интерпретации геофизических данных, повышающие эффективность разведки золоторудных месторождений. Примеры извлечения параметров ВП из ЭМ данных в аэроварианте (New methods of geophysical data Interpretation, increasing effectiveness of Gold deposit Exploration. Examples of IP Parameter extraction from airborne EM data), *Золото и технологии (Gold and technology)*, 27, 72-80.
254. Casas A., Cosentino P.L., Díaz Y., Fiandaca G., García E., Himi M., Lafuente M., Martorana R., Macías J.M., Menchón J., Muñoz A., Sala R., Teixell I., 2008. A la ricerca del temple d'August a Tarragona: una experiència entre arqueologia i geofísica. In *Cota Zero, Revista d'Arqueologia i Ciència*, 23, 9-12, ISSN: 0213-4640.
255. Cosentino P.L., Capizzi P., D'Angelo U., Fiandaca G., Martorana R., Messina P., 2008. Metodi geofisici per la ricerca di cavità: caso di studio alle cave di Marsala. In *Geologi di Sicilia* 7-12, Anno XVI, Vol 2, April-June 2008.
256. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., 2008. Quattro esempi di applicazioni geofisiche per l'archeologia a scala medio-piccola. *Atti del convegno: "Geofisica per l'archeologia. Possibilità e limiti"*. Roma, 10 December 2008, 125-130, Fermenta Editore.
257. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Razo Amoroz I., Schiavone S., 2008. La GTT, metodologia non invasiva per caratterizzare lo strato esterno degradato dei manufatti lapidei. *Atti del VI Congresso nazionale IGILC - Lo Stato Dell'Arte*. Spoleto, 2-4 October 2008, 285-292, ISBN: 978-88-404-4171-9.
258. Gambardella S., Danesi A., Cosentino P.L., Capizzi P., Fiandaca G., 2008. L'indagine Sonica ed Ultrasonica come prassi necessaria alla conoscenza di strutture complesse. Il rimontaggio di una statua di epoca romana da Locri: un caso esemplare. *Atti del VI Congresso nazionale IGILC - Lo Stato Dell'Arte*. Spoleto, 2-4 October 2008, 285-292, ISBN: 978-88-404-4171-9.
259. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Razo Amoroz I., 2007. Misure geofisiche utili al progetto di restauro. In *Progetto di Recupero e Conservazione della Villa Romana del Casale di Piazza Armerina, I GRANDI RESTAURI N. 12/1*, 92-96, ISBN: 978-88-88559-79-7.
260. Capizzi P., Cosentino P.L., Fiandaca G., Martorana R., Messina P., Razo Amoroz I., 2007. Misure microgeofisiche sulla statua del S. Michele Arcangelo (scuola Gagini, XVI sec.). *Atti del V Congresso nazionale IGILC - Lo Stato Dell'Arte*. Cremona, 11-13 October 2007, 317-324, ISBN: 978-88-404-4156-6.
261. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Pellegrino L., Razo Amoroz I., 2007. "Dice la mamma Rocca"...Metodologie non invasive per il controllo dei manufatti artistici. *Tecniche di analisi di materiali nei Beni Culturali*. Carbone Ed., Palermo, 59-63, ISBN: 88-88803-29-7.
262. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Pellegrino L., 2006. La sicurezza nell'identità dei beni culturali in materiali lapidei: la firma sonica. *Atti del IV Congresso nazionale IGILC - Lo Stato Dell'Arte*. Siena, 28-30 September 2006, 689-694, ISBN: 88-404-4150-6.
263. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., 2006. Prove di diagnostica dei legni con metodologie di microgeofisica. *Atti del Convegno La Diagnostica e la Conservazione di Manufatti Lignei, PRIN2003*, Marsala 9-11 December 2005, mat-22, 6 pp, ISBN: 88-404-4151-4.

Extended abstracts published in proceedings of national conferences (name underlined when presenter)

264. Römhild, L., Fiandaca, G., & Bayer, P. (2024). Hydraulic conductivity imaging by induced polarization and hydraulic tomography. In 30. *Schmucker-Weidelt-Kolloquium für Elektromagnetische Tiefenforschung* (pp. 10-14). Deutsche Geophysikalische Gesellschaft e. V..

265. Bacigalupo C., Capizzi P., Cessari L., Cosentino P.L., Fiandaca G., Martorana R., Messina P., Schiavone S., 2008. Indagini geofisiche integrate eseguite al Castello di Zena (PC) per lo studio delle fondazioni. 27° *Convegno Nazionale G.N.G.T.S.*, Trieste, 6-8 October 2008, 309-312, ISBN: 88-902101-3-3.
266. Capizzi P., Cosentino P.L., Danesi A., Fiandaca G., Gambardella S., 2008. Tomografia Sonica ed Ultrasonica per il supporto all'intervento di restauro della statua del togato di Petrarra (I Sec. D.C.). 27° *Convegno Nazionale G.N.G.T.S.*, Trieste, 6-8 October 2008, 313-316, ISBN: 88-902101-3-3.
267. Capizzi P., Cosentino P.L., Fiandaca G., Martorana R., Messina P., Schiavone S., 2008. Caratterizzazione e monitoraggio di acquiferi costieri: studio di un sito ad elevata vulnerabilità all'intrusione marina. 27° *Convegno Nazionale G.N.G.T.S.*, Trieste, 6-8 October 2008, 317-319, ISBN: 88-902101-3-3.
268. **Fiandaca G.**, Martorana R., Cosentino P.L., 2007. Il nuovo stendimento MYG per la tomografia geoelettrica "Full 3D". 26° *Convegno Nazionale G.N.G.T.S.*, Roma, 13-15 November 2007, 535-538, ISBN: 88-902101-2-5.
269. Casas A., Cosentino P.L., Sala R., Capizzi P., Diaz Y., Fiandaca G., Garcia E., Himi M., Lafuente M., Martorana R., Messina P., Razo Amoroz I., 2007. Ricerche geofisiche di resti archeologici sotto la Cattedrale di Tarragona (Spagna): Tomografia geoelettrica (2D e full-3D) e GPR. 26° *Convegno Nazionale G.N.G.T.S.*, Roma, 13-15 November 2007, 423-426, ISBN: 88-902101-2-5.
270. Ranieri G., Deidda G.P., Loddo F., Piga C., Manos A., Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Razo Amoroz I., Godio A., Stocco S., Corselli C., Cassiani G., Bruno V., Savini A., 2007. Primi risultati delle indagini geofisiche nei siti archeologici di Mozia (Sicilia Occidentale) e Pollentia (Isola di Maiorca). Progetto FIRB 2003 - Ricostruzione e valorizzazione del paesaggio archeologico in ambiente costiero mediterraneo tramite tecnologie innovative non invasive. 26° *Convegno Nazionale G.N.G.T.S.*, Roma, 13-15 November 2007, ISBN: 88-902101-2-5, 460-463.
271. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Razo Amoroz I., 2007. Recenti interventi geofisici e microgeofisici per lo studio dei BB. CC.. 26° *Convegno Nazionale G.N.G.T.S.*, Roma, 13-15 November 2007, 420-423, ISBN: 88-902101-2-5.
272. Aiuppa A., Cosentino P.L., D'Alessandro A., Di Maio R., Fiandaca G., Luzio D., Martorana R., Messina N., Roberti N., Soldovieri M.G., 2007. Caratterizzazione geofisica dell'acquifero idrotermale dell'area di Panza (Ischia). 26° *Convegno Nazionale G.N.G.T.S.*, Roma, 13-15 November 2007, 539-543, ISBN: 88-902101-2-5.
273. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Razo Amoroz I., 2007. Indagini microgeofisiche su due dipinti murali di Pietro Novelli. 26° *Convegno Nazionale G.N.G.T.S.*, Roma, 13-15 November 2007, 395-399, ISBN: 88-902101-2-5.
274. Capizzi P., Cosentino P.L., Fiandaca G., Martorana R., Messina P., 2006. Contributo geofisico allo studio dell'intrusione marina nell'area costiera compresa fra Mazara del vallo e Marsala (Sicilia Sud-Occidentale). 25° *Convegno Nazionale G.N.G.T.S.*, Roma, 28-30 November 2006, 386-388, ISBN: 88-902101-1-7.
275. **Fiandaca G.**, Messina P., Cosentino P.L., 2006. L'identificazione fisica dei manufatti di pregio: la "firma sonica". 25° *Convegno Nazionale G.N.G.T.S.*, Roma, 28-30 November 2006, 444-447, ISBN: 88-902101-1-7.
276. Piga C., Fiandaca G., Loddo F., Martorana R., 2006. Valutazione di differenti quadripoli e sequenze di misura per tomografie elettriche in contesti industriali e costieri. 25° *Convegno Nazionale G.N.G.T.S.*, Roma, 28-30 November 2006, 388-390, ISBN: 88-902101-1-7.
277. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Pellegrino L., Razo Amoroz I., 2006. Microgeofisica per lo studio dei beni culturali movimentabili. 25° *Convegno Nazionale G.N.G.T.S.*, Roma, 28-30 November 2006, 423-426, ISBN: 88-902101-1-7.
278. Cosentino P.L., Fiandaca G., Godio A., Luzio D., Martorana R., Messina N., Stocco S., 2006. Indagini integrate (magnetometriche e georadar nell'area archeologica di Capo Lilibeo (Marsala, Sicilia Occidentale). 25° *Convegno Nazionale G.N.G.T.S.*, Roma, 28-30 November 2006, 437-440, ISBN: 88-902101-1-7.
279. Ranieri G., Loddo F., Piga C., Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Razo Amoroz I., Godio A., Stocco S., Corselli C., Cassiani G., Deiana R., Bruno V., 2006. Primi risultati delle indagini su aree archeologiche costiere con metodologie geofisiche integrate (Progetto FIRB2003). 25° *Convegno Nazionale G.N.G.T.S.*, Roma, 28-30 November 2006, 461-464, ISBN: 88-902101-1-7.
280. **Fiandaca G.**, Martorana R., Cosentino P.L., 2005. Confronto del potere risolvante di differenti configurazioni elettroliche nella prospezione geoelettrica su modelli 2D. 24° *Convegno Nazionale G.N.G.T.S.*, Roma, 15-17 November 2005, 509-512, ISBN: 88-902101-9-2.

Abstracts published in proceedings of national conferences (name underlined when presenter)

281. Fiandaca G., Legaz A., Christiansen A.V., Auken E., 2011. Mappature di discariche e individuazione di percolato tramite Polarizzazione Indotta: un nuovo algoritmo di analisi dati applicato a tre casi di studio in Danimarca, 1° *Workshop Regionale degli Assegnisti di Ricerca Siciliani*, Palermo (Italy), 11 March 2011.
282. Fiandaca G., Martorana R., Messina P., Cosentino P.L., 2009. La metodologia MYG per eseguire tomografie elettriche 3D su oggetti che presentano una superficie di pregio artistico. *XCV Congresso Nazionale Società Italiana di fisica*, Bari (Italy), 28 September - 3 October 2009, atticon 5287.
283. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Razo Amoroz I., Pellegrino L., 2008. Indagini microgeofisiche integrate sulla statua di Venere Anadiomene (II Sec. A.C.). 5° *Congresso Nazionale di archeometria "Scienza e beni culturali"*, Siracusa (Italy), February 2008, 43.

ORGANISATION, SUPERVISION AND COORDINATION OF NATIONAL AND INTERNATIONAL RESEARCH CENTRES OR GROUPS, OR PARTICIPATION IN THEM

2022 - to date	<p>Founder and leader of the research group "The EEM Team for Hydro & eXploration", and head of the homonymous laboratory of the Department of Earth Sciences "Ardito Desio", University of Milano.</p> <p>Since its foundation, the EEM Team has totalled almost 1300000 € in funding, though competitive calls, researches and services commissioned by private institutions (such as the water work companies A2A ciclo idrico and Acque Bresciane) and research institutes (CNRS and ISOR, see details in section "RESEARCH PROJECTS & FUNDING") and PhD grants financed by the Italian government with industry co-financing (through the Ministerial Decrees DM1061 and DM532).</p> <p>These funding allowed for the acquisition of several instruments, as well as high-performance servers and vehicles for field work; in particular of:</p> <ul style="list-style-type: none"> - Abem Terrameter LS2 + cables (10m and 5m spacings) - Abem WalkTEM2 with Tx20 and Tx60 transmitters and Tx-loops up to 200x200 m - tTEM 1.0 and 2.0 (TEM company, Denmark) with towing quad as well as towing boats, for FloaTEM configuration - sTEM profiler (TEM company) - Loupe system (Loupe geophysics) - Ford transit - server with 1Terabyte of RAM and 128 threads <p>The funding was used also for hiring 4 PhD students and 4 postdocs. Furthermore, a technician was hired in 2024 (shared with the laboratory of geophysics for environment and cultural heritage), as well as a tenure-track researcher.</p> <p>In the last few years, 44 km of DCIP data, 97 km of Loupe TEM data, 160 km of tTEM data and 430 km of FloaTEM data have been acquired within the research projects of the EEM Team.</p> <p>Moreover, in April 2024 "The EEM Team Spin-Off company" was funded, hiring as first permanent employee a former Postdoc of the group.</p>
2010 - 2020	<p>Member of the HydroGeophysics Group (HGG), Department of Geosciences, Aarhus University, Denmark. Starting at HGG as visiting researcher, I became assistant professor in 2012 and associate professor in 2016.</p>

SUPERVISION OF OR PARTICIPATION IN PUBLISHING COMMITTEES OF SCIENTIFIC JOURNALS AND IN ORGANIZING/SCIENTIFIC COMMITTEES OF CONFERENCES

2024-2026	Member of the local, organizing and scientific committees of the AEM2026 conference, to be held in Favignana (TP), Italy, in September 2026
2019	Associate editor, Geophysics
2018	Member of the scientific committee of the 5 th IP Workshop, Rutgers University (USA)

2017	Guest editor, Near Surface Geophysics, special issue of the 4 th IP workshop
2016	Member of the organizing and scientific committee of the 4 th IP workshop, Aarhus University (Denmark)
2013	Sageep 2013, chairman of the session “Time Domain and Frequency Domain Spectral Induced Polarization: Advances and Applications”

RESEARCH PROJECTS & FUNDING

Years	Project name	Description	Host & lead institutions	Funding	Financing institution	Role
2024 2025	Apropo	Study of processes by which former landfills lead to pollution	University of Milano; lead institution Geoscience Rennes, France	8000 € (University of Milano)	CNRS, France	Investigator, acquisition and interpretation of tTEM data
2022 2025	LakEMaging	Study of the interaction between surface water and groundwater at the south shore of Iseo lake, Italy	University of Milano	122250 € (62250 € services + 60000 € research) (University of Milano)	Acque Bresciane srl, Italy	Principal Investigator
2022 2025	LakEMaging, PhD Grant	PhD grant in connection with the main project	University of Milano	75000 € (University of Milano)	DM532/ Acque Bresciane srl, Italy	Main supervisor
2022 2025	HydroEEMaging	Ground geophysical characterization in connection with the AEM survey carried out in Brescia province in 2023	University of Milano	425000 € (245000 € services + 180000 € research) (University of Milano)	A2A ciclo idrico spa, Italy	Principal Investigator
2021 2024	HydroGeosITe, PhD Grant	Establishment of the Italian reference and calibration site for electrical and electromagnetic methods	University of Milano	75000 € (University of Milano)	DM1061/ A2A ciclo idrico spa, Italy	Main supervisor
2021 2024	MountainHydro, PhD Grant	Hydrogeophysical characterization of mountainous springs in Val Sabbia (BS)	University of Milano	75000 € (University of Milano)	DM1061/ A2A ciclo idrico spa, Italy	Co - supervisor
2021 2024	IPRaMa, PhD Grant	Induced-polarization for raw materials	University of Milano	75000 € (University of Milano)	DM1061/ EMergo srl, Italy	Main supervisor

2022 2025	SEMACRET	Sustainable exploration for orthomagmatic (critical) raw materials in the EU: Charting the road to the green energy transition	University of Milano; leader institution: Oulu University	305095 € (University of Milano)	Horizon Europe	Investigator, leader of task3.3, Geophysical data pre-processing and inversion; development of 3D AEM software with modelling of induced polarization
2022 2024	GEMGAS	Geophysical monitoring of SO2 sequestration	University of Milano; lead institution ISOR	13500 € (University of Milano)	ISOR (G.S. Iceland)	Investigator, time-lapse inversion of DCIP data
2021 2023	GeoPHydro	Geophysics into hydrogeology - characterization of the hydrogeological setting of a polluted site	University of Milano	101760 € (University of Milano)	A2A ciclo idrico spa, Italy	Principal Investigator
2021 2023	EEMGUlde	Development of Graphical User Interfaces for processing of electric and electromagnetic data	University of Milano	20000 € (University of Milano)	EMergo srl, Italy	Principal Investigator
2018 2021	GIREM	Real-time 3D cross-hole DCIP mapping of injected chemical agents for pollution remediation	Aarhus University	805000 € (Aarhus University)	Innovation Fund Denmark, Grand Solutions	Co-applicant; WP leader in the processing/inversion WP
2017 2020	MIRACHL	Characterization & monitoring of in situ remediation of chlorinated hydrocarbon contamination	Aarhus University; lead institution Lund University	108000 € (Aarhus University)	Formas, Sweden	Co-applicant. PhD supervision for the development of a 3D DCIP inversion software
2017 2020	Smart Exploration	Development of seismic, electromagnetic and potential field methods	Aarhus University; lead institution: Uppsala University	5000000€ (all partners)	Horizon 2020	Co-development of 3D inversion software for 3D ATEM data
2016 2018	MAGIC	Mapping geology in cities, creating a combined setup of instrument and software that will	Aarhus University	108000 € (Aarhus University)	Jointly funded by the European Union,	Co-applicant. Development of processing and inversion software for

		create an integrated, semi-automated data framework			Central Region Denmark, Innovation Fund Denmark, the Swedish innovation agency Vinnova	DCIP data for non-expert users
2014 2018	GEOCON	Advancing GEOlogical, geophysical and CONTaminant monitoring technologies for contaminated site investigation	Aarhus University	870000 € (Aarhus University)	The Danish Council for Strategic Research under the Programme commission on sustainable energy and environment.	Co-applicant. Senior geophysicist, design of field experiments, responsible of DCIP data processing and inversion. Supervision of master and PhD students
2013 2018	TRUST	Geoelectric mapping investigation method for underground utilities in an urban environment	Aarhus University; lead institution Lund University	165000 € (Aarhus University)	Formas, (ref. 2012-1931) BeFo (ref. 331) and SBUF (ref. 12719)	Co-applicant. Management of the developments in induced-polarization data processing. PhD student tutoring
2012 2016	HyGEM	Integrating geophysics, geology, and hydrology for improved groundwater management.	Aarhus University	925000 € (Aarhus University)	Strategic research Council of Denmark	Co-applicant. Development of design of the Voxel inversion of AEM data

HOLDING PATENTS

International patents

1. Di Stefano A., Fiandaca G., Fiscelli G., 2011. Modular apparatus for the electronic prospection of a medium (WO2011158103 (A1); 22/12/2011).
2. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Razo Amoroz I., 2010. Method for detecting a sonic imprint of a three dimensional object & related apparatus (US2010089160 (A1); 15/04/2010).

National (Italian) patents

3. Fiandaca G., Di Stefano A., Fiscelli G., 2010. Apparato modulare per la prospezione elettrica di un mezzo (Modular apparatus for the electric prospection of a medium) (PA20100026; 18/06/2010).
4. Cosentino P.L., Fiandaca G., Martorana R., 2008. Metodo ed apparato di rilevamento tomografico di una distribuzione di resistività in un mezzo (Method and apparatus for resistivity tomography) (PD2008A000359; 2/12/2008).
5. Cosentino P.L., Capizzi P., Fiandaca G., Martorana R., Messina P., Razo Amoroz I., 2007. Metodo di rilevamento di una impronta sonica di un oggetto tridimensionale e relativo apparato (Method and apparatus for the detection of the "Sonic Imprint" of an object) (RM2007A000059; 06/02/2007).

NATIONAL AND INTERNATIONAL AWARDS AND ACCOLADES FOR RESEARCH ACTIVITY AND TECHNOLOGY TRANSFER

2024	winner of Seed4Innovation grant from the Chamber of Commerce of Milano (50000 euros) for accelerating the “The EEM Team Spin-Off company”, Chamber of Commerce of Milano and Fondazione Unimi, 18 December 2024
2024	“Seasonal temperature effect compensation in ERT monitoring without ground thermal measurements” (co-author), Best presentation for near surface, 1st ASEG Discover Symposium, Hobart, Tasmania, Australia, 18/10/2024
2024	“Modelling IP in Tempest data: the first preliminary steps and insights” (co-author), Best presentation for mineral exploration, 1st ASEG Discover Symposium, Hobart, Tasmania, Australia, 17/10/2024
2022	“Airborne EM in northern Italy for sustainable and resilient management of groundwater resources”, best presentation at SIF 2022 conference, section 4, Geophysics and Environmental Physics, Società Italiana della Fisica, Milano, 14/09/2022
2020	“An algorithm for 3D modelling of direct current resistivity and full-response time-domain induced polarization data” (co-author). Best of Near Surface Geoscience 2019 Conference of the European Association of Geoscientists and Engineers (EAGE), 8-12 Sept. 2018, The Hague (The Netherlands)
2019	“Re-parameterisations of the Cole-Cole model for improved spectral inversion of induced polarization data”, Fiandaca et al. (2018), Ludger Mintrop EAGE Award for the best paper published in Near Surface Geophysics in 2018
2019	“Hydraulic Permeability Prediction from Induced Polarization Data at Field Scale”, 4th best paper (out of 310) at the Near Surface Geoscience 2018 Conference of the European Association of Geoscientists and Engineers (EAGE), 10-13 Sept. 2018, Porto (Portugal)
2019	“Induction-Free Acquisition Range in Spectral Time- and Frequency-Domain Induced Polarization at Field Scale”, 5th best paper (out of 310) at the Near Surface Geoscience 2018 Conference of the European Association of Geoscientists and Engineers (EAGE), 10-13 Sept. 2018, Porto (Portugal)
2019	“Geofysik kortlægger grundvandsforurening” (co-author), best 2018 paper in Vand & Jord (Vand & Jord nr. 1, 2018)
2018	“A surface NMR inversion based on the full Bloch-equation” (co-author), best paper (out of 21) at the 7th International Workshop on Magnetic Resonance in the Subsurface, 18-20 Sept. 2018, Changchun (China).
2018	“Constraining the T2*-T2 relationship in surface nuclear magnetic resonance free-induction decay data” (co-author), Top 25 paper (out of 1090) of the Society of Exploration Geophysicists Annual Meeting, Oct. 14-19, 2018, Anaheim (California, USA)
2018	“Subsurface imaging of water electrical conductivity, hydraulic permeability and lithology at contaminated sites by induced polarization” (co-author). Best work at the 5th International Workshop on Induced Polarization, 3-5 October 2018, Newark (USA)
2016	“An analysis of Cole-Cole parameters for IP data using Markov chain Monte Carlo” (co-author). Best student presentation at the 4th International Workshop on Induced Polarization, 6-8 June 2016, Aarhus (Denmark)
2012	“Time domain induced polarization: 2D inversion for spectral information”, AGLC award as best work on Applied Geophysics at the 2012 conference of the Italian group of geophysics of the solid earth (GNGTS2012)
2009	“The MYG methodology to carry out 3D Electrical Resistivity Tomography on media covered by

	vulnerable surfaces of artistic value”, best work on Physics for the Cultural Heritage at the 2009 conference of the Italian Society of Physics (SIF2009)
2007	“The Sonic Imprint”, best idea of business StartCup 2007 of the University of Palermo

ASSESSING ACTIVITIES IN THE FIELD OF NATIONAL AND INTERNATIONAL COMPETITIVE SELECTION PROCEDURES

2024	Member of the evaluation commission for one position of RTT (Tenure Track Researcher) at the Department of Earth Sciences Ardito Desio, University of Milano, Italy. Sector 04/GEOS-04 - Geofisica, scientific-disciplinary sector GEOS-04/B - Geofisica applicata (ex SC 04/A4 Geofisica, SSD Geo/11 Geofisica Applicata)
2024	Member of the evaluation commission for one position of RTT (Tenure Track Researcher) at the Department of Earth Sciences, Università “La Sapienza” di Roma, Italy. SC 04/A4 Geofisica, SSD Geo/11 Geofisica Applicata
2023	Member of the evaluation commission for one position of RTD-A (Fixed-Term Researcher of Type A), Politecnico di Torino, Dipartimento di Ingegneria dell'Ambiente, del Territorio e delle Infrastrutture (DIATI), Italy. SC 04/A4 Geofisica, SSD Geo/11 Geofisica Applicata

MANAGING, ORGANISATIONAL, AND SERVICE ACTIVITIES

MANAGING TASKS AND DUTIES UNDERTAKEN AT COLLEGIATE BODIES AND COMMITTEES, AT CONSIDERABLE PUBLIC AND PRIVATE INSTITUTIONS AND SCIENTIFIC AND CULTURAL ORGANISATIONS, OR AT THE UNIVERSITY OF MILAN OR AT OTHER UNIVERSITIES

Head of Teaching and Research Activities in the Laboratory (Responsabile delle Attività di Didattica e Ricerca in Laboratorio, RADRL) for the laboratories of the Department of Earth Sciences “Ardito Desio”, University of Milano, Italy:	
December 2022 - to date:	The EEM Team for Hydro & eXploration lab
March 2023 - to date:	Laboratory of reflection seismic/SAR-GPS
February 2021 - December 2022:	Electromechanical workshop
Member of the committees of the Department of Earth Sciences “Ardito Desio”, University of Milano, Italy:	
October 2024 - to date:	Giunta di Dipartimento (Department Board)
July 2020 - to date:	Commissione Programmazione (Academic Hiring Planning Committee)
February 2020 - to date:	Member of the Academic Board of the PhD in Earth Sciences
April 2022 - October 2024:	Commissione Orario LM Geophysics (teaching timetable committee of master degree in Geophysics)
October 2020 - September 2024:	Responsabile Struttura Cicognara/Mangiagalli 32 (Manager of the Building Cicognara/Mangiagalli 32)
October 2020 - September 2024:	Nucleo Laboratori e Strutture (laboratories and buildings committee)

October 2020 - September 2024:	Commissione spazi e personale (committee of offices and technical and administrative personnel)
June 2020 - April 2022:	Commissione Orario Scienze Geologiche (teaching timetable committee of bachelor degree in Geological Sciences)

THIRD MISSION ACTIVITIES

April 2024	Founder of the company “The EEM Team Spin-Off company”, awarded the title of spin-off of University of Milano in June 2024, and winner in December 2024 of the Seed4Innovation competition held by “Fondazione Unimi”, with a grant of 50000 € given by the Chamber of Commerce of Milano, to be used for acceleration the growth of the company. The company develops software for processing and inversion of Electric and Electromagnetic data and offer services in geophysical data acquisition and interpretation with integration in groundwater modelling.
2022-2025	Execution of services (acquisition and processing of geophysical data) within “conto terzi” contracts, within the projects HydroEEMaging and LakeMaging, for an amount of 245000 €+ 60000 € = 305000 €, used for acquiring new instrumentation for the laboratory “The EEM Team for Hydro & eXploration”
2020-2024	Seminar activity for scientific dissemination (see details in section “INVITED TALKS, SEMINARS & SUMMER SCHOOLS”)
2007-2016	Co-founder of Diasis srl, spin-off of University of Palermo and winner of the competition StartCup 2007, organized by University of Palermo and consortium ARCA. The company developed a patented method (the sonic imprint) for identifying univocally works of art by means of their resonance modes.

Date

12/01/2025

Place

Milano