Patricia Díaz de Alba

Personal information

Name	**Patricia Díaz de Alba**.
Nationality	**Spanish**.
Date of birth	**20/05/1988**.
Place of birth	**San Fernando (Cádiz), Spain**.
Gender	**Female**.
E-mail	**pdiazdealba@unisa.it**.
Home page	**http://bugs.unica.it/~patricia/** & **https://docenti.unisa.it/058555/home**.

Education

Studies

20/04/2017 **PhD in Mathematics and Computer Science**, *University of Cagliari*, Cagliari (Italy).
Thesis title: Numerical treatment for inverse problems in applied Geophysics.
Supervisors: Prof. Giuseppe Rodriguez and Prof. Luisa Fermo

22/10/2012 **Master in Mathematics (Inter-university programme with the Universities of Cádiz, Málaga, Granada and Almería)**, *University of Cádiz*, Cádiz (Spain).
Thesis title: Modelo de Gopalsamy-Ladas y el efecto Allee.
Supervisor: Prof. Elena Medina.

25/06/2011 **Degree in Mathematics (5 years)**, *University of Cádiz*, Cádiz (Spain).

Abroad experience

01/03/2020–16/03/2020 **Helmholtz Center – UFZ**, Leipzig, (Germany).
Collaboration with Dr. Ulrike Werban and Dr. Edoardo Martini on EMI data inversion.
The collaboration has been interrupted because of COVID19 emergency.

01/02/2016–26/04/2016 **Emory University**, Atlanta, (USA).
Collaboration with Prof. James Nagy on inverse problems.

06/09/2009–28/02/2010 **Erasmus exchange students programme**, *University Joseph Fourier*, Grenoble (Francia).

Participation to summer and training schools

1. **Machine Learning Crash Course**, Genova (Italy), June 27–July 1, 2022.
2. **Scientific School Advanced numerical techniques for inverse problems, with applications in imaging science and applied Geophysics**, Cagliari (Italy), July 17–21, 2017.
3. **Scientific Computing for X-Ray CT**, Copenhagen (Denmark), January 9–20, 2017.
4. **Exploiting Hidden Structure in Matrix Computations. Algorithms and Applications**, Cetraro (Italy), June 22–27, 2015.
5. **Computational Electromagnetism**, Cetraro (Italy), June, 9–14 2014.

Languages

Spanish	**Mothertongue**
English	**Advance (B2 Certificate)**
Italian	**Advance (B2 Certificate)**
French	**Basic (A2 Certificate)**

Computer skills

User	Linux, Microsoft Windows, OpenOffice, LaTeX and Cinderella. Basic knowledge of web design, Moodle.
Programming and calculation	MATLAB, Mathematica, FreeFem++ and wxMaxima.
Data analysis	Statgraphics.
Database	HeidiSQL.
Geomatics	gvSIG.

Academic positions

01/01/2022–present	**Assistant Professor (Research project PON/INN)**. Affiliation: Department of Mathematics, University of Salerno (Italy). Responsible: Prof. Beatrice Paternoster.
01/11/2020–31/12/2021	**Research fellow**. Research project: Project CUIM "Centre for Urban Informatics and Modeling". Affiliation: Area of Mathematics, GSSI - Gran Sasso Science Institute, L'Aquila (Italy). Responsible: Prof. Nicola Guglielmi.
08/07/2019–24/09/2020	**Research fellow**. Research fellowship: Inverse problems in imaging science with applications in Applied Geophysics. Research project: Algoritmi e Modelli per l'Imaging Science (AMIS). Affiliation: Department of Mathematics and Computer Science, University of Cagliari, Cagliari (Italy). Responsible: Prof. Giuseppe Rodrgiuez.

07/11/2018– 07/05/2019 **Research fellow**.
Research fellowship: Trattamento numerico di equazioni integrali connesse a problemi di Geofisica Applicata.
Research project: Algorithms for Approximation with applications [Acube].
Affiliation: Department of Mathematics and Computer Science, University of Cagliari, Cagliari (Italy).
Responsible: Prof. Luisa Fermo.

20/06/2017– 19/06/2018 **Research fellow**.
Research fellowship: Permeabilità dinamica dei mezzi porosi, Full-waveform inversion di dati sismici e elettromagnetici, e inversione nonlineare di dati elettromagnetici.
Research project: Dynamic permeability of porous media, full-waveform inversion of seismic and electromagnetic data, and nonlinear inversion of electromagnetic data.
Affiliation: Department of Civil, Environmental Engineering and Architecture, University of Cagliari, Cagliari (Italy).
Responsible: Prof. Gian Piero Deidda.

07/2015– 09/2015 **Centro di Ricerca, Sviluppo e Studi Superiori in Sardegna (CRS4)**, Santa Margherita di Pula, (Italy).
Collaboration to the parallelization of a calculation code for electromagnetic data inversion.

Scientific activity

Research interests

1. Inverse problems in Geoscience.
2. Regularization methods.
3. Ill-posed problems.
4. Numerical methods for integral, partial, and ordinary differential equations.

Scientific and professional collaborations

01/05/2012– 27/09/2012 **Aguas de Cádiz, S.A.**, Cádiz (Spain).
Modelling the water supply network of Cádiz, conducted by the Engines Department at University of Cádiz. (200 hours).

15/11/2011– 14/05/2012 **University of Cádiz**, Cádiz (Spain).
Database management with MySQL for the diffusion of the Mathematics degree.

Organization of conferences and schools

1. **Challenges and Advances in Numerical Analysis (CANA23)**, Cagliari (Italy), June 5–9, 2023.
   Website: https://bugs.unica.it/cana23/
2. **Recent Advances in Scientific Computation (ETNA25)**, Santa Margherita di Pula (Italy), May 27–29, 2019.
   Website: http://bugs.unica.it/ETNA25/
3. **International Workshop on Analysis and Numerical Approximation of Singular Problems IWANASP18**, Cagliari (Italy), September 4–6, 2018.
   Website: http://bugs.unica.it/iwanasp18/

4. **Scientific School Advanced numerical techniques for inverse problems, with applications in imaging science and applied Geophysics**, Cagliari (Italy), July 17–21, 2017.
   Website: http://bugs.unica.it/cana/antip17/

Projects

2023 **Project INdAM–GNCS 2023**.
Research project: Metodi numerici per modelli descritti mediante operatori differenziali e integrali non locali
Responsible: Sabrina Francesca Pellegrino.
Role: Participant.

2022 **Project INdAM–GNCS 2022**.
Research project: Metodi e modelli di regolarizzazione per problemi mal posti di grandi dimensioni
Responsible: Alessandro Buccini.
Role: Participant.

2020/2021 **Project INdAM–GNCS 2020/2021**.
Research project: Tecniche numeriche per l'analisi delle reti complesse e lo studio dei problemi inversi
Responsible: Caterina Fenu.
Role: Participant.

2019 **Project INdAM–GNCS 2019**.
Research project: Discretizzazione di misure, approssimazione di operatori integrali ed applicazioni
Responsible: Donatella Occorsio.
Role: Participant.

2019 **Regione Autonoma della Sardegna (RAS) Research Project**.
Research project: Algoritmi e Modelli per l'Imaging Science (AMIS)
Responsible: Giuseppe Rodriguez.
Role: Participant.

2018 **Project INdAM–GNCS 2018**.
Research project: Metodi di regolarizzazione non lineare: aspetti teorici, computazionali, applicativi.
Responsible: Federico Benvenuto.
Role: Participant.

2017 **Project INdAM–GNCS 2017**.
Research project: Metodi numerici non lineari per problemi inversi e applicazioni.
Responsible: Claudio Estatico.
Role: Participant.

2016 **Project INdAM–GNCS 2016**.
Reserach project: Inverse Problems in Geophysics.
Responsible: Giuseppe Rodriguez.
Role: Participant.

Funding

2020 **DAAD Research Grants - Short-Term Grants, 2020 (57507441)**.
Research project: Development of a geophysical inversion algorithm towards a constrained inversion of EMI data.
Principal Investigator: Patricia Díaz de Alba

2019 **9th International Congress on Industrial and Applied Mathematics - ICIAM 2019 "Financial Support Program"**.
Partecipation to the conference.
Responsible: Patricia Díaz de Alba

2014 **INdAM–GNCS**.
Partecipation to the Summer School "Computational Electromagnetism", Cetraro (Italy)
Responsible: Patricia Díaz de Alba

2014–2017 **University of Cagliari**.
PhD grant (3 years)

Scientific communications

Invited

1. **SIAM Applied Linear Algebra (LA23)**, Paris (France), May 13–17, 2024.
   An Alternating Direction Multiplier Method for the inversion of FDEM data
2. **International Association for Mathematics and Computers in Simulation (IMACS2023)**, Roma (Italy), September 11–15, 2023.
   An efficient Gauss-Newton method for nonlinear inverse problems via generalized Krylov subspaces
3. **SIMAI 2023**, Matera (Italy), August 28th-September 1st, 2023.
   1) Anti-Gauss cubature rules with applications to Fredholm integral equations on the square
   2) Analytical and numerical preservation properties of a modified SIR model with contact matrix: application to the diffusion of information
4. **numerIcal aNalysis, porous media and waTer ResoUrceS: a fruItful cOntamiNation (INTRUSION2023)**, Bari (Italy), July 3–5, 2023.
   Forward electromagnetic induction modelling in a multilayered half-space: An open-source software tool
5. **Challenges and Advances in Numerical Analysis (CANA23)**, Cagliari (Italy), June 5–9, 2023.
   On the numerical treatment of linear and nonlinear inverse problems in applied Geophysics
6. **Numerical Methods and New Technologies for Cultural Heritage, Philology and Industry 4.0 (NMT2023)**, Salerno (Italy), May 5, 2023.
   Numerical treatment of a SEIR model applied to the diffusion of fake news
7. **16th International Conference on Signal Image Technology & and Internet Based Systems (SITIS)**, Dijon (France), October 19–21, 2022.
   Influence of age group in the spreading of fake news: contact matrices in social media
8. **Conference Functional Analysis, Approximation Theory and Numerical Analysis (FAATNA)**, Matera (Italy), July 5–8, 2022.
   An averaged Nyström method for 2D Fredholm integral equations
9. **Numerical Methods for Large Scale Problems (NMLSP2022)**, Belgrade (Serbia), June 6-–10, 2022.
   Identifying a conductive sphere by time-domain electromagnetic data via Prony-like methods
10. **SIAM Imaging Science (IS22)**, Berlin (Germany), March 21–25, 2022.
    Minimal-Norm Solution of an Overdetermined System of First Kind Integral Equations: Algorithms and Applications

11. **Numerical Methods and Scientific Computing**, Luminy (France), November 8–12, 2021.
    Numerical solution of second-kind integral equations by means of anti-Gauss quadrature rules
12. **International Conference on Computational Science and its Applications (ICCSA)**, Cagliari (Italy), September 13–16, 2021.
    Time domain electromagnetic response of a conductive and magnetic permeable sphere via exponential sums
13. **SIAM Conference on Mathematical & Computational Issues in the Geosciences (GS21)**, Milan (Italy), June 21–24, 2021.
    2D Reconstruction of the Suboil by Electromagnetic Data Inversion
14. **SIAM Linear Algebra (LA21)**, New Orleans (LA), May 17–21, 2021.
    A variational method for the inversion of FDEM data
15. **SIMAI 2016**, Milan (Italy), September 13–16, 2016.
    Identifying the magnetic permeability in multi-frequency FDEM data inversion.

Contributed

1. **I-CiTieS**, Salerno (Italy), September 13–15, 2023.
   Disinformation detection and diffusion analysis through a modified SEIR model
2. **International Conference on Computational Science and its Applications (ICCSA)**, Malaga (Spain), July 4–7, 2022.
   A modified SEIR model: stiffness analysis and application to the diffusion of fake news
3. **PRIMO Workshop 2021**, Bologna (Italy), October 11–13, 2021.
   Identifying a conductive and permeable sphere by exponential sums
4. **Mathematics for Nonstationary Signals and applications in Geophysics and other fields (NoSAG)**, L'Aquila (Italy), July 22–24, 2021.
   The minimal-norm solution of an overdetermined system of first-kind integral equations in applied Geophysics
5. **International Congress on Industrial and Applied Mathematics (ICIAM2019)**, Valencia (Spain), July 15–19, 2019.
   A MATLAB package for EMI data inversion
6. **Recent Advances in Scientific Computation (ETNA25)**, Santa Margherita di Pula (Italy), May 27–29, 2019.
   A numerical method to solve integral equations by Gauss and anti-Gauss quadrature formulae.
7. **The International Conference Mathematical Modeling with Applications (M2A19)**, Rabat (Marocco), April 1–4, 2019.
   A MATLAB library for EM data inversion.
8. **Due giorni di Algebra Lineare Numerica**, Roma (Italy), February 18–19, 2019.
   Linear and nonlinear models for EMI data inversion.
9. **International Workshop on Analysis and Numerical Approximation of Singular Problems IWANASP18**, Cagliari (Italy), September 4–6, 2018.
   Recovering the electrical conductivity of the soil via a linear integral model.

10. **Numerical Analysis and Scientific Computation with Applications (NASCA18)**, Kalamata (Greece), July 2–6, 2018.
    Recovering the electrical conductivity of the soil via linear integral equations.
11. **Ninth International Conference "Inverse Problems: Modeling and Simulation" (IPMS 2018)**, Malta, May 21-25, 2018.
    A regularized Gauss-Newton algorithm for electromagnetic data inversion.
12. **International Workshop on Applied Mathematics & Quantum Information (AMQI 2016)**, Cagliari (Italy), November 3–4, 2016.
    Reconstructing the magnetic permeability of the soil by a multi-frequency FDEM data inversion.
13. **21th International Conference Mathematical Modelling and Analysis (MMA 2016)**, Tartu (Estonia), June 1–4, 2016.
    Multi-frequency data inversion in Geophysical applications.
14. **Workshop DENIS**, Cagliari (Italy), November 30, 2015.
    Numerical processing of electromagnetic data in Geophysics.
15. **New Trends in Numerical Analysis (NETNA 2015)**, Falerna (Italy), June 18–21, 2015.
    An algorithm for data inversion in electromagnetic sounding.
16. **XXIV Congress on Differential Equations and Applications / XIV Congress on Applied Mathematics (CEDYA 2015)**, Cádiz (Spain), June 8–12, 2015.
    Regularized solution of a nonlinear problem in applied Geophysics.
17. **Two days in Applied Mathematics in Cagliari**, Cagliari (Italy), April 9–10, 2015.
    Numerical method for a nonlinear problem in applied Geophysics.

Posters

1. **Calcolo Scientifico e modelli matematici alla ricerca delle cose nascoste attraverso le cose manifeste (CSMM 2024)**, Naples (Italy), January 29–31, 2024.
   Analytical properties of an age-group SIR model and their numerical preservation: application to social networks
2. **Partial Differential Equations in Analysis and Mathematical Physics**, Santa Margherita di Pula (Italy), May 30–June 1, 2019.
   Electromagnetic data inversion through a linear integral model: existence, uniqueness and numerical approximation of solutions
3. **Scientific School Advanced numerical techniques for inverse problems, with applications in imaging science and applied Geophysics**, Cagliari (Italy), July 17–21, 2017.
   Identifying the magnetic permeability in multi-frequency EM data inversion.
4. **Georgia Scientific Computing Symposium**, Atlanta (USA), February 20, 2016.
   Numerical method for data inversion in Geophysics.
5. **Workshop DENIS**, Cagliari (Italy), November 30, 2015.
   Numerical processing of electromagnetic data in Geophysics.

Participation to conferences

1. **Workshop Trends in Non Linear Analysis**, Cagliari (Italy), March 21–22, 2014.

Support activity

2022-present **Member of Commissione di Orientamento**, Department of Mathematics, University of Salerno.

2. **XXXVII Edizione di Futuro Remoto-Equilibri**, Città della Scienza, Naples (Italy), November 20-26, 2023.

2. **XXXVI Edizione di Futuro Remoto-Equilibri**, Città della Scienza, Naples (Italy), November 22-27, 2022.

Referee activity

Referee for **Inverse Problems** · **Journal of Computational and Applied Mathematics** · **Applied Numercial Mathematics** · **BIT Numerical Mathematics** · **Mathematical Geosciences** · **Geomatics, Natural Hazards and Risk** · **IEEE Transactions on Geosciences and Remote Sensing** · **International Journal of Remote Sensing** · **Springer Lecture Notes in Computer Science (LNCS)** · **International Journal of Remote Sensing and Remote Sensing Letters**.

Participation National groups

2020-present **Member of Research group "Post-graduate Researchers in Inverse problems, Machine learning, and Optimization" (PRIMO)**.

2014-present **Member of INdAM-GNCS (National Group for Scientific Computing of the National Institute for Advanced Mathematics, Italy)**.

Theses direction experience

2017–2018 **Un'interfaccia grafica per l'inversione di dati EMI in geofisica applicata**.
Author: Gabriele Lovicu.
BSc Electronic and Electronical Engineering.
Co-supervised with Prof. Giuseppe Rodriguez.

2014–2015 **Influenza delle caratteristiche magnetiche del terreno nell'electromagnetic sounding a bassa frequenza**.
Author: Rita Delussu.
BSc Electronic and Electronical Engineering.
Co-supervised with Prof. Giuseppe Rodriguez.

Teaching

2022/2023 **Co-teaching**, *24 hours (2CFU)*.
Mathematical methods for Chemistry (MAT08), University of Salerno (Italy).

2022/2023 **Co-teaching**, *24 hours (2CFU)*.
Laboratory of Programming and Calculus (MAT08), University of Salerno (Italy).

2021/2022 **Co-teaching**, *24 hours (2CFU)*.
Mathematical methods for Chemistry (MAT08), University of Salerno (Italy).

Present **Cultore della materia of Numerical Mathematics**.
Department of Mathematics, University of Salerno (Italy).
Teaching collaborator - Support to the different courses (teaching, student tutoring, written and oral tests).

Present **Cultore della materia of Applied Mathematics, Numerical Applied Mathematics, and Numerical Algorithms and Applications**.
Department of Mathematics and Computer Science, University of Cagliari (Italy).
Teaching collaborator - Support to the different courses (teaching, student tutoring, written and oral tests).

2019/2020 **Teaching assistant E-learning**, *12 hours*.
Applied Mathematics for Electrical and Electronic Engineering (MAT08), and Computer Science, University of Cagliari (Italy).

2019/2020 **Teaching assistant**, *30 hours*.
Applied Mathematics for Biomedical Engineering (MAT08), University of Cagliari (Italy).

2018/2019 **Teaching assistant E-learning**, *26 hours*.
Applied Mathematics for Electrical and Electronic Engineering (MAT08), and Computer Science, University of Cagliari (Italy).

2018/2019 **Teaching assistant**, *30 hours*.
Applied Mathematics for Biomedical Engineering (MAT08), University of Cagliari (Italy).

2017/2018 **Teaching assistant E-learning**, *26 hours*.
Applied Mathematics for Electrical and Electronic Engineering (MAT08), and Computer Science, University of Cagliari (Italy).

2016/2017 **Teaching assistant**, *30 hours*.
Applied Mathematics for Biomedical Engineering (MAT08), University of Cagliari (Italy).

2016/2017 **Teaching assistant E-learning**, *48 hours*.
Applied Mathematics for Electrical and Electronic Engineering (MAT08), and Computer Science, University of Cagliari, (Italy).

2015/2016 **Teaching assistant**, *30 hours*.
Applied Mathematics for Biomedical Engineering (MAT08), University of Cagliari (Italy).

2014/2015 **Teaching assistant**, *30 hours*.
Applied Mathematics for Biomedical Engineering (MAT08), University of Cagliari (Italy).

2007/2009 **Assistant Student**.
Geometric exercises treatment with Cinderella and LaTeX, University of Cádiz (Spain).

Publications

PhD Thesis

[1] P. Díaz de Alba

Numerical treatment for inverse problems in applied Geophysics. PhD Thesis book, 2017. http://bugs.unica.it/~gppe/did/tesi/17diazdealba

Papers

[1] P. Díaz de Alba, L. Fermo and G. Rodriguez

Anti-Gauss cubature rules with applications to Fredholm integral equations on the square. Submitted

[2] A. Buccini, P. Díaz de Alba, and F. Pes

An Alternating Direction Multiplier Method for the inversion of FDEM data. Submitted

[3] A. Cardone, P. Díaz de Alba, and B. Paternoster

Analytical properties and numerical preservation of an age-group SIR model: application to the diffusion of information. Submitted

[4] A. Buccini, P. Díaz de Alba, F. Pes, and L. Reichel

An efficient implementation of the Gauss-Newton method via generalized Krylov subspaces. J. Sci. Comput., 97(2), 44, 2023.

[5] G.P. Deidda, P. Díaz de Alba, F. Pes, and G. Rodriguez

Forward electromagnetic induction modelling in a multilayered half-space: An open-source software tool. Remote Sens., 15(7), 1778, 2023. DOI: 10.3390/rs15071772.

[6] P. Díaz de Alba, L. Fermo, F. Pes, and G. Rodriguez

Regularized minimal-norm solution of an overdetermined system of first kind integral equations. Numer. Algorithms, 92(1): 471-502, 2023. DOI: 10.1007/s11075-022-01282-2

[7] A. Buccini and P. Díaz de Alba

A variational non-linear constrained model for the inversion of FDEM data. Inverse Problems, 38(1): 014001, 2022. DOI: 10.1088/1361-6420/ac3c54

[8] P. Díaz de Alba, L. Fermo, and G. Rodriguez

Solution of second-kind Fredholm integral equations by means of Gauss and anti-Gauss quadrature rules. Numer. Math., 146(4): 699-728, 2020. DOI: 10.1007/s00211-020-01163-7

[9] G.P. Deidda, P. Díaz de Alba, G. Rodriguez, and G. Vignoli

Inversion of multi-configuration complex EMI data with Minimum Gradient Support regularization. A case study. Math. Geosci., 52(7): 945-970, 2020. DOI: 10.1007/s11004-020-09855-4.

[10] G. P. Deidda, P. Díaz de Alba, C. Fenu, Gabriele Lovicu, and G. Rodriguez

FDEMtools: a MATLAB package for FDEM data inversion. Numer. Algorithms., 84(4): 1313–1327, 2020. DOI: 10.1007/s11075-019-00843-2.

[11] P. Díaz de Alba, L. Fermo, C. Van der Mee, and G. Rodriguez

Recovering the electrical conductivity of the soil via a linear integral model. J. Comput. Appl. Math., 352:132-145, 2019. DOI: 10.1016/j.cam.2018.11.034.

[12] G.P. Deidda, P. Díaz de Alba and G. Rodriguez

Identifying the magnetic permeability in multi-frequency EM data inversion. Electron. Trans. Numer. Anal., 47:1-17, 2017.

Book chapters

[1] P. Díaz de Alba and G. Rodriguez

Regularized inversion of Multi-frequency EM Data in Geophysical Applications. In F. Ortegón Gallego, M.V. Redondo Neble, and J.R. Rodríguez Galván, editors, Trends in Differential Equations and Applications, volume 8 of SEMA SIMAI Springer Series, pages 357-369. Springer, Switzerland, 2016. DOI 10.1007/978-3-319-32013-7.

Conference papers

[1] A. Cardone, P. Díaz de Alba, and B. Paternoster

Influence of age group in the spreading of fake news: contact matrices in social media. 16th International Conference on Signal-Image Technology & Internet-Based Systems (SITIS), Dijon, France, 2022. DOI: 10.1109/SITIS57111.2022.00083

[2] R. D'Ambrosio, P. Díaz de Alba, G. Giordano, and B. Paternoster

A modified SEIR model: stiffness analysis and application to the diffusion of fake news. Lecture Notes in Computer Science in 22st International Conference on Computational Science and Its Applications (ICCSA), Malaga, Spain, July 2022. Vol 13375. Springer, Cham. DOI: 10.1007/978-3-031-10522-7_7

[3] G. P. Deidda, P. Díaz de Alba, L. Fermo, and G. Rodriguez

Time domain electromagnetic response of a conductive and magnetic permeable sphere via exponential sums. In 21st International Conference on Computational Science and Its Applications (ICCSA), Cagliari, Italy, 13-16 Sept. 2021. DOI: 10.1109/ICCSA54496.2021.00020

[4] P. Díaz de Alba, L. Fermo, F.Pes, and G. Rodriguez

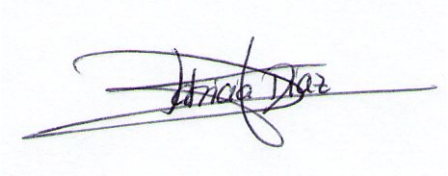
Minimal-norm RKHS solution of an integral model in geo-electromagnetism. . In 21st International Conference on Computational Science and Its Applications (ICCSA), Cagliari, Italy, 13-16 Sept. 2021. DOI: 10.1109/ICCSA54496.2021.00014

[5] G.P. Deidda, P. Díaz de Alba, G. Rodriguez and G. Vignoli

Smooth and sparse inversion of EMI data from multi-configuration measurements. IEEE Research and Technologies for Society and Industry (RTSI) 2018. ISBN: 978-1-5386-6282-3. DOI: 10.1109/RTSI.2018.8548416

[6] P. Díaz de Alba and G. Rodriguez

Regularized solution of a nonlinear problem in applied Geophysics. In J.M. Díaz Moreno, J.C. Díaz Moreno, C. García Vázquez, J. Medina Moreno, F. Ortegón Gallego, M.V. Pérez Martínez, C. Redondo Neble, and J.R. Rodríguez Galván, editors, Proceedings of the XXIV Congress on Differential Equations and Applications / XIV Congress on Applied Mathematics - Cádiz, June 8-12, 2015, pages 821-826, Cadiz, Spain, 2015. Editorial UCA. ISBN: 978-84-9828-527-7.



Salerno (Italy), 26/01/2024