CURRICULUM VITAE

Forename:	Liviu
Surname:	Marin
Date of birth:	2 July 1969
Place of birth:	Bucharest, Romania
Nationality:	Romanian; British
Title:	Professor
Positions:	Professor (University of Bucharest) & Senior Researcher I (Institute of Mathematical Statistics and Applied Mathematics)
Work address:	Department of Mathematics, Faculty of Mathematics and Computer Science, University of Bucharest, 14 Academiei, 010014 Bucharest, Romania Institute of Mathematical Statistics and Applied Mathematics, Romanian Academy, 13 Calea 13 Septembrie, 050711 Bucharest, Romania
E-mails:	marin.liviu@gmail.com liviu.marin@fmi.unibuc.ro
URL:	https://sites.google.com/site/marinliviu
Telephone:	+40-(0)21-305-1901 (University of Bucharest)

EDUCATION

1989-1994:	Diploma (BSc) in Mathematics-Mechanics University of Bucharest, Faculty of Mathematics, Department of Mathematics-Mechanics, Bucharest, Romania
1994-1995:	Diploma (Advanced Studies) in Continuum Mechanics University of Bucharest, Faculty of Mathematics, Department of Mathematics-Mechanics, Bucharest, Romania
1996-1998:	MSc in Industrial Mathematics University of Kaiserslautern, Department of Applied Mathematics, Kaiserslautern, Germany
1999-2002:	PhD in Applied Mathematics University of Leeds, Department of Applied Mathematics, Leeds, UK
2014:	Habilitation in Mathematics University of Bucharest, Faculty of Mathematics and Computer Science, Bucharest, Romania

EMPLOYMENT HISTORY

1994-1998:	Research Assistant National Institute for Research and Development in Microtechnologies, 126A Erou Iancu Nicolae, 077190 Bucharest, Romania
1999-2002:	PhD Student University of Leeds, Department of Applied Mathematics, Leeds LS2 9JT, UK
2002-2005:	Post-Doctoral Research Fellow University of Leeds, School of Earth & Environment, Environment Centre, Leeds LS2 9JT, UK

2005-2007: Post-Doctoral Research Fellow
University of Nottingham, School of Mechanical, Materials and Manufacturing Engineering, Nottingham NG7 2RD, UK
2008-2009: Senior Research Fellow III (CS III)
Institute of Solid Mechanics, Romanian Academy, 15 Constantin Mille, 010141 Bucharest, Romania
2009-2010: Senior Research Fellow III (CS III)
Centre for Continuum Mechanics, Faculty of Mathematics and Computer Science, University of Bucharest, 14 Academiei, 010014 Bucharest, Romania
2010-2013: Senior Research Fellow II (CS II)
Institute of Solid Mechanics, Romanian Academy, 15 Constantin Mille, 010141 Bucharest, Romania
2010-2013: Senior Research Fellow II (CS II)
Centre for Continuum Mechanics, Faculty of Mathematics and Computer Science, University of Bucharest, 14 Academiei, 010014 Bucharest, Romania
2013-: Professor
Faculty of Mathematics and Computer Science, University of Bucharest, 14 Academiei, 010014 Bucharest, Romania
2013-2017: Senior Research Fellow I (CS I)
Institute of Solid Mechanics, Romanian Academy, 15 Constantin Mille, 010141 Bucharest, Romania
2017-: Senior Research Fellow I (CS I)
Institute of Mathematical Statistics and Applied Mathematics, Romanian Academy, 13 Calea 13 Septembrie, 050711 Bucharest, Romania

RESEARCH INTERESTS

Inverse problems; computational mechanics; regularization methods; boundary integral equations; numerical methods ODEs and PDEs, e.g. boundary element method (BEM), meshless methods, finite-difference method (FDM), finite element method (FEM).

TEACHING EXPERIENCE

1. Partial Differential Equations (postgraduate tutorial), University of Kaiserslautern, 1998, in English
2. Marking for undergraduate tutorials, University of Leeds, 1999 – 2002, in English
3. Classical Mechanics (BSc Course), Faculty of Mathematics and Computer Science, University of Bucharest, 2012 – 2014, in Romanian
4. Classical Mechanics (BSc Practical), Faculty of Mathematics and Computer Science, University of Bucharest, 2012 – 2018, in Romanian
5. Numerical Analysis I (BSc Course & Practical), Faculty of Mathematics and Computer Science, University of Bucharest, 2012 – 2018, in Romanian
6. Continuum Mechanics (BSc Practical), Faculty of Mathematics and Computer Science, University of Bucharest, 2013 – 2017, in Romanian
7. Numerical Methods for PDEs, Regional Romanian-French Summer School in Applied Mathematics, First Edition, Sinaia, Romania, 2 – 10 July 2014
8. Numerical Methods (MSc Course & Practical), Faculty of Mathematics and Computer Science, University of Bucharest, 2014 – 2017, in Romanian
9. Optimisation and Scientific Computing (MSc Course & Practical), Department of Mathematics and Mechanics, University of Caen, Caen, France, 12 January – 13 February 2015
10. Numerical Methods and Scientific Computing (MSc Course & Practical), Faculty of Mathematics and Computer Science, University of Bucharest, 2015 – 2016, in Romanian

11. Numerical Methods for Inverse Problems, Regional Romanian-French Summer School in Applied Mathematics, Third Edition, Sinaia, Romania, 29 June – 7 July 2016
12. Evolution Equations: Analytical and Numerical Methods (PhD Course), Faculty of Mathematics and Computer Science, University of Bucharest, 2016 – 2017, in Romanian
13. Numerical Analysis and Numerical Methods (BSc Course & Practical), Faculty of Mathematics and Computer Science, University of Bucharest, 2017 – present, in Romanian
14. Introduction to Mathematical Software (BSc Course & Practical), Faculty of Mathematics and Computer Science, University of Bucharest, 2017 – 2019, in Romanian
15. Inverse Problems: Theoretical and Numerical Aspects (PhD Course), Faculty of Mathematics and Computer Science, University of Bucharest, 2019 – 2020, in Romanian
16. An Introduction to Computational Methods with Applications (PhD Course), Interdisciplinary School of Doctoral Studies, University of Bucharest, 2019 – 2021, in Romanian
17. Elements of Scientific Computing (BSc Course & Practical), Faculty of Mathematics and Computer Science, University of Bucharest, 2019 – present, in Romanian
18. Numerical Methods for (Non-)Linear Systems and Optimisation (MSc Course & Practical), Faculty of Mathematics and Computer Science, University of Bucharest, 2021 – present, in Romanian

STUDENTS SUPERVISED

1. Mario Recuerda Hernández, MSc, 2003-2004, co-supervised with Prof. V. Mantič and Prof. F. París (University of Seville, Spain)
2. Lucía Comino Mateos, PhD, 2003-2005, co-supervised with Prof. R. Gallego (University of Granada, Spain)
3. Paul M. Ellerton, MSc, 2004, co-supervised with Prof. P.J. Heggs (University of Manchester, UK), Prof. D.B. Ingham and Dr. L. Elliott (University of Leeds, UK)
4. Clemente Cobos Sanchez, PhD, 2005-2008, co-supervised with Prof. R.W. Bowtell, Prof. A.A. Becker, Dr. I.A. Jones, Dr. P. Glover and Prof. H. Power (University of Nottingham, UK)
5. Andreea Grecu, PhD, 2016-2021, co-supervised with Dr. L.I. Ignat ("Simion Stoilow" Institute of Mathematics of the Romanian Academy, Romania)
6. Mihai Bucătaru, BSc, 2017
7. Andreea-Paula Voinea-Marinescu, PhD, since 2017
8. Oana Mancu, MSc, 2018
9. Alexandru Ghiță, MSc, 2018
10. Cristina-Mihaela Călineață, BSc, 2018
11. Veronica Crintea, BSc, 2018
12. Ioana-Maria Flondor, BSc, 2018
13. Mihai Bucătaru, MSc, 2019
14. Mihai Bucătaru, PhD, since 2019
15. Cătălina-Mihaela Coman, BSc, 2020
16. Teodora Zamfir, BSc, 2020
17. Andrei-Constantin Diaconu, BSc, 2021
18. Andreas Mihalea, BSc, 2021
19. Gabriela-Cătălina Poenaru, BSc, 2021
20. Andrei-Vlad Cațaron, BSc, 2022
21. Adina-Raluca Corcău, BSc, 2022

MEMBER OF PhD DISSERTATION COMMITTEE

1. Raisa Tichişan (Paşcan), University of Bucharest, Bucharest, Romania, 2013
2. Lidia Angelica Zidaru (Iancu), University of Bucharest, Bucharest, Romania, 2014
3. Ednah Kwamboka Onyari, University of the Witwatersrand, Johannesburg, South Africa, 2016

4. Adrian Stoica, University of Bucharest, Bucharest, Romania, 2016
5. Andreea-Valentina Bucur (Arusoaie), "Al. I. Cuza" University of Iaşi, Iaşi, Romania, 2016
6. Laëtitia Caillé, Normandie University, Caen, France, 2018
7. Constantin Niță, University of Craiova, Craiova, Romania, 2020
8. Mariana-Florentina Chivu, University of Craiova, Craiova, Romania, 2021
9. Mohamed Aziz Boukraa, Normandie University, Caen, France, 2021

MEMBER OF HABILITATION THESIS COMMITTEE

1. Ruxandra Marina Stavre, SCOSAAR, Institute of Mathematics of the Romanian Academy, Bucharest, Romania, 2019
2. Delia Ionescu-Kruse, SCOSAAR, Institute of Mathematics of the Romanian Academy, Bucharest, Romania, 2021
3. Denisa Stancu-Dumitru, SCOSAAR, Institute of Mathematical Statistics and Applied Mathematics of the Romanian Academy, Bucharest, Romania, 2022

GRANTS AND SCHOLARSHIPS RECEIVED

1. 1996-1998: DAAD (German Office for Academic Exchange) scholarship: "Industrial Mathematics Programme" at the University of Kaiserslautern, Germany
2. 1999-2002: ORS Award Scholarship for Overseas Students: PhD at the University of Leeds, UK
3. 1999-2002: Tetley and Lupton Scholarship: PhD at the University of Leeds, UK
4. 2000: Grant from the European Commission under Framework V: Inverse Problems-Summer School and Conference, Heriot-Watt University, Edinburgh, UK, 24 July – 5 August 2000
5. 2002: Grant from Istituto Nazionale di Alta Matematica "Francesco Severi": Workshop on Inverse Problems and Applications, Cortona, Italy, 3 – 8 June 2002
6. 2008: Grant from the University of Leeds: Research visit to University of Leeds, Department of Applied Mathematics, 19 November – 9 December 2008
7. 2009: Grant from the University of Cyprus: Research visit to University of Cyprus, Department of Mathematics and Statistics, 17 – 25 May 2009
8. 2010: Grant from the University of Cyprus: Research visit to University of Cyprus, Department of Mathematics and Statistics, 20 – 27 June 2010
9. 2011: Grant from the University of Cyprus: Research visit to University of Cyprus, Department of Mathematics and Statistics, 25 September – 1 October 2011
10. 2015: Grant from the University of Caen: Invited Professor at University of Caen, Department de Mathematics and Mechanics, Laboratory of Mathematics "Nicolas Oresme", Caen, France, 12 January – 13 February 2015
11. 2016: Grant from the University of Lisbon: Research visit to University of Lisbon, Instituto Superior Técnico, Department of Mathematics and CEMAT Research Centre 20 – 27 November 2016

RESEARCH VISITS

1. University of Leeds, Department of Applied Mathematics, 19 November – 9 December 2008, invited by Prof. D. Lesnic
2. University of Cyprus, Department of Mathematics and Statistics, 17 – 25 May 2009, invited by Prof. A. Karageorghis
3. University of Cyprus, Department of Mathematics and Statistics, 20 – 27 June 2010, invited by Prof. A. Karageorghis
4. University of Cyprus, Department of Mathematics and Statistics, 25 September – 1 October 2011, invited by Prof. A. Karageorghis

5. University of Leeds, Department of Applied Mathematics, 10 – 22 October 2011, invited by Prof. D. Lesnic
6. Oxford Brookes University, Department of Mechanical Engineering and Mathematical Sciences, 20 – 25 November 2012, invited by Dr C. Sebu
7. Oxford Brookes University, Department of Mechanical Engineering and Mathematical Sciences, 2 – 10 March 2013, invited by Dr C. Sebu
8. University of Cyprus, Department of Mathematics and Statistics, 24 – 29 June 2013, invited by Prof. A. Karageorghis
9. University of Leeds, Department of Applied Mathematics, 6 – 11 July 2013, invited by Prof. D. Lesnic
10. University of Caen, Department of Mathematics and Mechanics, Laboratory of Mathematics "Nicolas Oresme", Caen, France, 12 January – 13 February 2015, invited by Prof. F. Delvare
11. University of Lisbon, Instituto Superior Técnico, Department of Mathematics and CEMAT Research Centre, Lisbon, Portugal, 20 – 27 November 2016, invited by Prof. C.J.S. Alves
12. University of Dundee, Department of Mathematics, 13 – 16 October 2019, invited by Dr D. Trucu
13. University of Leeds, Department of Applied Mathematics, 16 – 19 October 2019, invited by Prof. D. Lesnic

RESEARCH PROJECTS

1. *UK Royal Society*: Inverse heat conduction problems in thermal barrier coatings, 2002-2003, GBP 11,400. **Investigator**
2. *Engineering and Physical Sciences Research Council* (*EPSRC*) *GR/R25507/01*: Boundary element methods for the solution of Cauchy and parameter identification in heat exchangers, 2002-2004, GBP 122,143. **Investigator**
3. *Government of Andalusia*: Solution of some inverse problems in anisotropic solids using the boundary element method, EUR 3,500, 2004. **Investigator**
4. *Engineering and Physical Sciences Research Council* (*EPSRC*) *GR/T22445/01*: Forward and inverse analysis of electromagnetic fields for MRI using computational mechanics techniques, 2005-2008, GBP 128,119. **Investigator**
5. *Romanian National Authority for Scientific Research in Higher Education* (*CNCSIS*) *PN II-ID-PCE-1248/2008, Contract no. 567/2009*: Viscous and plastic effects at finite deformations for non-elastic materials, 2009-2011, RON 417.216. **Investigator**
6. *Romanian National Authority for Scientific Research in Higher Education* (*CNCSIS*) *PN II-ID-PCCE-100/2009, Contract no. 6/2010*: From micro to macro - continuum scale modelling of advanced materials in virtual fabrication, 2010-2013, RON 700.000. **Investigator**
7. *Romanian National Authority for Scientific Research* (*CNCS-UEFISCDI*) *PN II-ID-PCE-2011-3-0521, Contract no. 144/2011*: Computational methods for inverse problems associated with solids subject to mechanical and thermal loads, 2011-2016, RON 1,080,000. **Principal Investigator**
8. *Laboratoire Européen Associé CNRS Franco-Roumain Mathématiques & Modélisation* (*LEA Math-Mode*): Méthodes inverses pour les problèmes de détermination de conditions aux limites, 2015, EUR 1,500. **Co-Principal Investigator**
9. *Ministry of Research and Innovation, CNCS-UEFISCDI*, *PN-III-P4-ID-PCE-2016-0083, Contract no. 106/12.06.2017*: Computational methods for some inverse problems in solid mechanics, 2017-2019, RON 843,750. **Principal Investigator**
10. *Ministry of Education and Research, CNCS-UEFISCDI*, *PN-III-P1-1.1-TE-2019-0348, Contract no. TE 8/2020*: Calculus of variations and numerical techniques in solid mechanics, 2020-2022, RON 431,900. **Investigator**

PUBLICATIONS

- **5 dissertations:** 1 *BSc Thesis* (University of Bucharest, Romania), 2 *MSc Theses* (University of Bucharest, Romania; University of Kaiserslautern, Germany), 1 *PhD Thesis* (University of Leeds, UK), 1 *Habilitation Thesis* (University of Bucharest, Romania)
- **3 edited books (co-editor),** *Publishing House of the Romanian Academy* (Romania - 2), *EC Ltd.* (UK - 1)
- **1 monograph** in progress, *Publishing House of the Romanian Academy* (Romania)
- **5 chapters in books**, *Durham University Press* (UK - 1), *Leeds University Press* (UK - 2), *Nova Science Publishers* (USA - 1), *Springer* (Switzerland - 1)
- **6 chapters in books**, *Publishing House of the Romanian Academy* (Romania)
- **106 journal papers (ISI): 101 published, 5 submitted**
- **3 editorials/introductions to special issues**
- **40 international conference proceedings**
- **33 other publications**

RESEARCH IMPACT

2705 citations (self-citations excluded), in the period of time January 2002 – December 2022, in journal papers, international conference proceedings, books, chapter in books, MSc and PhD theses:

- Disertations – 2 citations
- Books and Chapters in Books – 14 citations
- Journal Papers – 2662 citations
- International Conference Proceedings – 23 citations
- Other Publications – 4 citations

Hirsch Index – 32 (Google Scholar); 29 (Scopus); 28 (Web of Science)

Researcher ID: http://www.researcherid.com/rid/C-4726-2011
Scopus Author ID:
http://www.scopus.com/authid/detail.url?authorId=7102404470
ORCID ID: 0000-0003-4009-1181
http://scholar.google.co.uk/citations?user=bDR2bscAAAAJ&hl=en

REFEREE

- **JOURNALS:**
  1. *Advances in Applied Mathematics and Mechanics* (*Global Science Press*)
  2. *Annals of the "Alexandru Ioan Cuza" University of Iaşi* (*New Series*). *Mathematics* (*"Alexandru Ioan Cuza" University of Iaşi Publishing House*)
  3. *Applicable Analysis* (*Taylor & Francis*)
  4. *Applied Mathematical Modelling* (*Elsevier*)
  5. *Applied Mathematics and Computation* (*Elsevier*)
  6. *Applied Mathematics and Optimization* (*Springer*)
  7. *Applied Mathematics Letters* (*Elsevier*)
  8. *Applied Numerical Mathematics* (*Elsevier*)
  9. *Boundary Value Problems* (*Springer*)
  10. *Bulletin of Mathematical Analysis and Applications*
  11. *Communications in Computational Physics* (*Cambridge University Press*)
  12. *Computational & Applied Mathematics* (*Springer*)
  13. *Computational Mechanics* (*Springer*)
  14. *Computational Particle Mechanics* (*Springer*)
  15. *Computer Methods in Applied Mechanics and Engineering* (*Elsevier*)

16. *Computers & Mathematics with Applications* (*Elsevier*)
17. *CMES: Computer Modeling in Engineering & Sciences* (*Tech Science Press*)
18. *Computer Physics Communications* (*Elsevier*)
19. *Electronic Letters* (*Willey Online Library*)
20. *Engineering Analysis with Boundary Elements* (*Elsevier*)
21. *European Journal of Computational Mechanics* (*Taylor & Francis*)
22. *European Journal of Mechanics – B/Fluids* (*Springer*)
23. *IEEE Transactions on Biomedical Engineering* (*IEEE Engineering in Medicine and Biology Society*)
24. *IMA Journal of Applied Mathematics* (*Oxford University Press*)
25. *International Journal for Numerical Methods in Engineering* (*John Willey & Sons*)
26. *International Journal of Computer Mathematics* (*Taylor & Francis*)
27. *International Journal of Heat and Mass Transfer* (*Elsevier*)
28. *International Journal of Mechanical Sciences* (*Elsevier*)
29. *International Journal of Numerical Methods for Heat and Fluid Flow* (*Emerald Publishing Ltd.*)
30. *International Journal of Solids and Structures* (*Elsevier*)
31. *International Journal of Thermal Sciences* (*Elsevier*)
32. *Inverse Problems in Science and Engineering* (*Taylor & Francis*)
33. *ISRN Applied Mathematics* (*Hindawi Publishing Corporation*)
34. *Journal of Applied Mathematics* (*Hindawi Publishing Corporation*)
35. *Journal of Applied Mathematics and Computing* (*Springer*)
36. *Journal of Computational and Applied Mathematics* (*Elsevier*)
37. *Journal of Computational Mathematics* (*Global Science Press*)
38. *Journal of Computational Physics* (*Elsevier*)
39. *Journal of Engineering Mathematics* (*Springer*)
40. *Journal of Inverse and Ill-Posed Problems* (*Walter de Gruyter*)
41. *Journal of King Saud University (Science)* (*Elsevier*)
42. *Journal of Optimization Theory and Applications* (*Springer*)
43. *Journal of Scientific Computing* (*Springer*)
44. *Journal of Sound and Vibration* (*Elsevier*)
45. *Journal of Zhejiang University – SCIENCE A* (*Springer*)
46. *Mathematical Problems in Engineering* (*Hindawi Publishing Corporation*)
47. *Numerical Algorithms* (*Springer*)
48. *Numerical Heat Transfer* (*Taylor & Francis*)
49. *Numerical Methods for Partial Differential Equations* (*John Willey & Sons*)
50. *Optimization* (*Taylor & Francis*)
51. *Proceedings of the Romanian Academy, Series A: Mathematics, Physics, Technical Sciences, Information Science* (*Publishing House of the Romanian Academy*)
52. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*
53. *Revue Roumaine de Mathématiques Pures et Appliquées* (*Publishing House of the Romanian Academy*)
54. *Structural Engineering and Mechanics* (*Techno Press*)
55. *The Open Thermodynamics Journal* (*Bentham Science Publishers Ltd.*)
56. *Vietnam Journal of Mathematics* (*Springer*)
57. *Waves in Random and Complex Media* (*Taylor & Francis*)
58. *Wave Motion* (*Elsevier*)

- **CONFERENCE PROCEEDINGS:**
  1. *27th International Conference on Information Technology Interfaces*, Čavtat/Dubrovnik, Croatia, 20–23 June 2005

2. *Fifth International Conference on Inverse Problems in Engineering: Theory and Practice*, Cambridge, UK, 11–15 July 2005
3. *Fourteenth International Conference on Numerical Analysis and Applied Mathematics*, Rhodes, Greece, 19–25 September 2016
4. *International Seminar on Boundary Elements and Other Mesh Reduction Methods 2018* (*BEM/MRM 41*), New Forest, UK, 11–13 September 2018
5. *International Seminar on Boundary Elements and Other Mesh Reduction Methods 2019* (*BEM/MRM 42*), Coimbra, Portugal, 2–4 July 2019

REVIEWER

1. *Mathematical Reviews – American Mathematical Society*
2. *Zentralblatt MATH – European Mathematical Society*

GUEST EDITOR OF SPECIAL ISSUES

1. *Engineering Analysis with Boundary Elements* **32**(8) 2008, "Application of the BEM to electromagnetic problems" (with Henry Power)
2. *European Journal of Computational Mechanics* **27**(5-6) 2018, "Advances in Boundary Element Techniques" (with Antoine Sellier)
3. *Computers & Mathematics with Applications* **88** 2021, "Trefftz Methods and Method of Fundamental Solutions – Theory and Applications" (with Anita Uscilowska, Andreas Karageorghis and C.S. Chen)

MEMBER OF EDITORIAL ADVISORY BOARD

1. *Engineering Analysis with Boundary Elements* (*Elsevier*), ISSN: 0955-7997, since 2012
2. *Inverse Problems in Science and Engineering* (*Taylor & Francis*), ISSN: 1741-5977, 2018-2021
3. *Proceedings of the Romanian Academy, Series A: Mathematics, Physics, Technical Sciences, Information Science* (*Publishing House of the Romanian Academy*), ISSN: 1454-9069, since 2019
4. *Bulletin Mathématique de la Société des Sciences Mathématiques de Roumanie* (*Publishing House of the University of Bucharest*), ISSN: 1220-3874, since 2022

MEMBER OF SCIENTIFIC COMMITTEES

1. Scientific Advisory Committee of the Eighth International Conference on Boundary Element Techniques (BeTeq 2007), Naples, Italy, 24–26 July 2007
2. Scientific Advisory Committee of the Ninth International Conference on Boundary Element Techniques (BeTeq 2008), Seville, Spain, 9–11 July 2008
3. Scientific Advisory Committee of the Tenth International Conference on Boundary Element Techniques (BeTeq 2009), Athens, Greece, 22–24 July 2009
4. Scientific Advisory Committee of the Eleventh International Conference on Boundary Element and Meshless Techniques (BeTeq 2010), Berlin, Germany, 12–14 July 2010
5. Scientific Advisory Committee of the Twelfth International Conference on Boundary Element and Meshless Techniques (BeTeq 2011), Brasilia, Brazil, 13–15 July 2011
6. Scientific Advisory Committee of the Thirteenth International Conference on Boundary Element and Meshless Techniques (BeTeq 2012), Prague, Czech Republic, 3–5 September 2012
7. International Scientific Advisory Committee of the International Seminar on Boundary Elements and Other Mesh Reduction Methods 2013 (BEM/MRM 35), New Forest, UK, 11–13 June 2013
8. Scientific Advisory Committee of the Fourteenth International Conference on Boundary Element and Meshless Techniques (BeTeq 2013), Paris, France, 16–18 July 2013

9. International Scientific Advisory Committee of the International Seminar on Boundary Elements and Other Mesh Reduction Methods 2013 (BEM/MRM 36), Dalian, P.R. China, 22–24 October 2013
10. Scientific Advisory Committee of the Fifteenth International Conference on Boundary Element and Meshless Techniques (BeTeq 2014), Florence, Italy, 15–17 July 2014
11. Scientific Committee of the Twelfth French-Romanian Colloquium of Applied Mathematics, Lyon, France, 25-30 August 2014
12. International Scientific Advisory Committee of the International Seminar on Boundary Elements and Other Mesh Reduction Methods 2014 (BEM/MRM 37), New Forest, UK, 8–10 September 2014
13. Scientific Committee of the Eighth Congress of Romanian Mathematicians, Section 7: Mechanics, Numerical Analysis, Mathematical Models in Sciences, Iaşi, Romania, 26 June – 1 July 2015
14. Scientific Advisory Committee of the Sixteenth International Conference on Boundary Element and Meshless Techniques (BeTeq 2015), Valencia, Spain, 6–8 July 2015
15. International Scientific Advisory Committee of the International Seminar on Boundary Elements and Other Mesh Reduction Methods 2015 (BEM/MRM 38), New Forest, UK, 21–23 September 2015
16. Scientific Advisory Committee of the Seventeenth International Conference on Boundary Element and Meshless Techniques (BeTeq 2016), Ankara, Turkey, 11–13 July 2016
17. International Scientific Advisory Committee of the International Seminar on Boundary Elements and Other Mesh Reduction Methods 2016 (BEM/MRM 39), Siena, Italy, 20–22 September 2016
18. Scientific Committee of the Joint International Conference on Trefftz Method VIII and the Method of Fundamental Solutions IV (Trefftz VIII/MFS IV), Poznan, Poland, 4-9 July 2017
19. Scientific Advisory Committee of the Eighteenth International Conference on Boundary Element and Meshless Techniques (BeTeq 2017), Bucharest, Romania, 11–13 July 2017
20. International Scientific Advisory Committee of the International Seminar on Boundary Elements and Other Mesh Reduction Methods 2017 (BEM/MRM 40), New Forest, UK, 12–14 September 2017
21. Program Committee of the Ukrainian Conference on Applied Mathematics (UCAM 2017), Ivan Franko National University of Lviv, Lviv, Ukraine, 28–30 September 2017
22. Scientific Advisory Committee of the Nineteenth International Conference on Boundary Element and Meshless Techniques (BeTeq 2018), Malaga, Spain, 9-11 July 2018
23. Scientific Committee of the Fourteenth French-Romanian Colloquium of Applied Mathematics, Bordeaux, France, 27-31 August 2018
24. International Scientific Advisory Committee of the International Seminar on Boundary Elements and Other Mesh Reduction Methods 2018 (BEM/MRM 41), New Forest, UK, 11–13 September 2018
25. Scientific Committee of the Ninth Congress of Romanian Mathematicians, Section 7: Mechanics, Astronomy, Numerical Analysis, Mathematical Models in Sciences, Galați, Romania, 28 June – 3 July 2019
26. International Scientific Advisory Committee of the International Seminar on Boundary Elements and Other Mesh Reduction Methods 2019 (BEM/MRM 42), Coimbra, Portugal, 2–4 July 2019
27. Scientific Advisory Committee of the Twentieth International Conference on Boundary Element and Meshless Techniques (BeTeq 2019), Palermo, Italy, 22-24 July 2019
28. Scientific Committee of the Joint International Conference on Trefftz Method IX and the Method of Fundamental Solutions V (Trefftz IX/MFS V), Lisbon, Portugal, 29-31 July 2019

29. International Organizing Committee (IOC) of the Fifth International Symposium on Inverse Problems, Designs and Optimization – IPDO 2019, Tianjin, China, 24-29 September 2019
30. International Scientific Advisory Committee of the International Seminar on Boundary Elements and Other Mesh Reduction Methods 2020 (BEM/MRM 43), Daytona Beach, Florida, USA, 18–20 May 2020
31. Scientific Advisory Committee of the Twenty-First International Conference on Boundary Element and Meshless Techniques (BeTeq 2020), Nanjing, China, 12-15 July 2020
32. International Scientific Advisory Committee of the International Seminar on Boundary Elements and Other Mesh Reduction Methods 2021 (BEM/MRM 44), Valencia, Spain, 15–17 June 2021
33. International Scientific Advisory Committee of the International Seminar on Boundary Elements and Other Mesh Reduction Methods 2022 (BEM/MRM 45), Tallinn, Estonia, 24–26 May 2022
34. Scientific Committee of the Tenth Conference on Inverse Problems, Control and Shape Optimization (PICOF'22), Caen, France, 25-27 October 2022
35. International Scientific Advisory Committee of the International Seminar on Boundary Elements and Other Mesh Reduction Methods 2023 (BEM/MRM 46), Daytona Beach, Florida, USA, 15–17 May 2023
36. Scientific Committee of the Tenth Congress of Romanian Mathematicians, Section 7: Mechanics, Astronomy, Numerical Analysis, Mathematical Models in Sciences, Piteşti, Romania, 30 June – 5 July 2023

CONFERENCE CHAIR

1. *Fifth International Conference on Inverse Problems in Engineering: Theory and Practice*, Cambridge, UK, 11–15 July 2005
2. *Eighth International Conference on Boundary Element Techniques*, Naples, Italy, 24–26 July 2007
3. *Twentieth Symposium of the Institute of Solid Mechanics* (*SISOM 2009*), Bucharest, Romania, 28–29 May 2009
4. *Tenth International Conference on Boundary Element Techniques*, Athens, Greece, 22–24 July 2009
5. *Twenty-Third Symposium of the Institute of Solid Mechanics* (*SISOM 2012*), Bucharest, Romania, 30–31 May 2012
6. *Thirteenth International Conference on Boundary Element and Meshless Techniques*, Prague, Czech Republic, 3–5 September 2012
7. *Twenty-First Conference on Applied and Industrial Mathematics* (*CAIM 2013*), Faculty of Mathematics and Computer Science, University of Bucharest, Bucharest, Romania, 19–22 September 2013
8. *Eighth Congress of Romanian Mathematicians*, Section 7: Mechanics, Numerical Analysis, Mathematical Models in Sciences, Iaşi, Romania, 26 June–1 July 2015
9. *Joint International Conference on Trefftz Method VII and Method of Fundamental Solutions III,* Huangzhou, China, 11–13 October 2015
10. *Eighth International Conference "Inverse Problems: Modeling and Simulation"*, Öludeniz – Fethiye, Turkey, 23–28 May 2016
11. *Eighteenth International Conference on Boundary Element and Meshless Techniques* (*BeTeq 2017*), Bucharest, Romania, 11–13 July 2017
12. *Ninth International Conference "Inverse Problems: Modeling and Simulation"*, Malta, 21–25 May 2018
13. *First Workshop on Analysis, PDEs and Mechanics 2018*, University of Bucharest, Bucharest, Romania, 9 November 2018

14. *Ninth Congress of Romanian Mathematicians*, Section 7: Mechanics, Numerical Analysis, Mathematical Models in Sciences, Galați, Romania, 28 June–3 July 2019
15. *Joint International Conference on Trefftz Method IX and the Method of Fundamental Solutions V* (*Trefftz IX/MFS V*), Lisbon, Portugal, 29–31 July 2019
16. *Third Conference of "Universitaria" Consortium Graduate Schools*, Section: Mathematics, Iaşi, Romania, 22-23 October 2020
17. *Tenth International Conference on Inverse Problems in Engineering* (*ICIPE 2022*), Francavilla al Mare (Chieti), Italy, 15-19 May 2022

ORGANISER OF INTERNATIONAL CONFERENCES, SEMINARS, WORKSHOPS

1. *Computability in Europe 2015* (*CiE 2015*)*: Evolving Computability*, Bucharest, Romania, 29 June – 3 July 2015
2. *Mechanics of Deformable Media*, IMAR & Department of Mathematics Seminar, Faculty of Mathematics, University of Bucharest, Bucharest, Romania, since November 2016
3. *Eighteenth International Conference on Boundary Element and Meshless Techniques* (*BeTeq 2017*), Bucharest, Romania, 11–13 July 2017
4. *Thirty-Seventh "Caius Iacob" Conference on Fluid Mechanics and its Technical Applications*, Bucharest, Romania, 16–17 November 2017
5. *Le trimestre "Analyse et EDP à Bucarest"*, "Simion Stoilow" Institute of Mathematics of the Romanian Academy (IMAR) & Faculty of Mathematics and Computer Science, University of Bucharest, Bucharest, Romania, January – July 2018
6. *Analyse, analyse numérique et contrôle des milieux continus*, Faculty of Mathematics and Computer Science, University of Bucharest, Bucharest, Romania, 21-23 May 2018
7. Mini-symposium "*Inverse Problems in Science and Engineering*", *Ninth International Conference* "*Inverse Problems: Modelling and Simulation*", Malta, 21–25 May 2018
8. *Regional Romanian-French Summer School in Applied Mathematics*, Fifth Edition, Sinaia, Romania, 2–10 July 2018
9. *First Workshop on Inverse Problems*, Ghent University, Ghent, Belgium, 17–19 September 2018
10. *First Workshop on Analysis, PDEs and Mechanics*, University of Bucharest, Bucharest, Romania, 9 November 2018
11. *Second Workshop on Analysis, PDEs and Mechanics*, Institute of Mathematical Statistics and Applied Mathematics, Bucharest, Romania, 30 May 2019
12. *Regional Romanian-French Summer School in Applied Mathematics*, Sixth Edition, Sinaia, Romania, 3–11 July 2019
13. *Thirty-Eighth "Caius Iacob" Conference on Fluid Mechanics and its Technical Applications*, Bucharest, Romania, 7–8 November 2019
14. *Thirty-Ninth "Caius Iacob" Conference on Fluid Mechanics and its Technical Applications*, Bucharest, Romania, 28–29 October 2021
15. *Regional Romanian-French Summer School in Applied Mathematics*, Seventh Edition, Sinaia, Romania, 6–14 July 2022

AWARDS AND PRIZES RECEIVED

- "Spiru Haret" Prize of the Romanian Academy for the Year 2010 (awarded in 2012)

MISCELLANEAS

- Participations in international conferences, workshops and research seminars: 92
- Invited talks at research meetings: 83
- Multilingual: Romanian, English, French, German

- Expert-evaluator for the Romanian National Authority for Scientific Research (ANCS), since 2012
- Reviewer for the Polish National Science Centre (Narodwe Centrum Nauki – NCN), since 2013
- Reviewer for the Slovak Research and Development Agency (Agentúra na Podporu Výskumu a Vývoja – APVV), since 2016
- Member of Ad Astra Association, 2013-2019
- Member of the Scientific Board of Institute of Solid Mechanics, Romanian Academy, April 2013 – February 2017
- Member of the Editorial Board of Bucharest University Press, October 2015 – February 2020
- Member of the Board of Faculty of Mathematics and Computer Science, University of Bucharest, since October 2015
- Member of the Ethics Commission of the University of Bucharest, February – December 2016
- Member of the Board of Department of Mathematics, Faculty of Mathematics and Computer Science, University of Bucharest, since March 2016
- Director of the Graduate School of Mathematics, Faculty of Mathematics and Computer Science, University of Bucharest, since October 2016
- Member of the National Research Council (CNCS), November 2016 – February 2017
- Member of the Commission for Mathematics of National Council for Attestation of Academic Titles, Diplomas and Certificates (CNATDCU), 12 June 2017 – 12 February 2020
- Member of the Graduate School for Interdisciplinary Studies, University of Bucharest, July 2019 – April 2021
- Non-visiting external examiner in the Department of Mathematics, Faculty of Science, University of Malta, for the June 2020 session of the MAT5713 and MAT5715 examinations
- Scientific Coordinator of the Research Team "PDEs and Applications in Sciences", Institute of Mathematical Statistics and Applied Mathematics, Romanian Academy, since March 2020
- Member of the Scientific Board of Institute of Mathematical Statistics and Applied Mathematics, Romanian Academy, since May 2020
- Member of the Selection Committee: Commission for Mathematics of National Council for Attestation of Academic Titles, Diplomas and Certificates (CNATDCU), May 2020
- Member of the Commission for Mathematics of National Research Council (CNCS), May 2020 – June 2022

LIST OF PUBLICATIONS

A. DISSERTATIONS

A1. L. Marin, Elastoplasticity with current local configurations and internal state variables, *Diploma* (*BSc Thesis*), University of Bucharest, Bucharest, Romania, 1994.

A2. L. Marin, Elastoplastic materials with isotropic hardening, *Diploma for Advanced Studies* (*MSc Thesis*), University of Bucharest, Bucharest, Romania, 1995.

A3. L. Marin, Behaviour of piezoelectric materials under mechanical and electrical loadings, *MSc Thesis*, University of Kaiserslautern, Kaiserslautern, Germany, 1998.

A4. L. Marin, Boundary element method for inverse problems in linear elasticity, *PhD Thesis*, University of Leeds, Leeds, UK, 2002.

A5. L. Marin, Computational methods for some direct and inverse problems in mechanics, *Habilitation Thesis*, University of Bucharest, Bucharest, Romania, 2014.

B. BOOKS AND CHAPTERS IN BOOKS

B1. L. Comino, L. Marin, R. Gallego, Regularized BEM solution for inverse boundary value problems in anisotropic elasticity, *Fifth International Conference on Inverse Problems in Engineering: Theory and Practice, Vol. I* (ed. D. Lesnic), Leeds University Press, Leeds, UK, Chapter **C05**, 2005.

B2. L. Marin, The method of fundamental solutions for solving inverse boundary value problems in elasticity, *Fifth International Conference on Inverse Problems in Engineering: Theory and Practice, Vol. II* (ed. D. Lesnic), Leeds University Press, Leeds, UK, Chapter **M02**, 2005.

B3. L. Marin, C. Cobos Sanchez, P. Glover, H. Power, A.A. Becker, R.W. Bowtell, I.A. Jones, Numerical computation of induced electric fields due to switched magnetic field gradients and movement in strong static fields, *Advances in Boundary Integral Methods: Proceedings of the Sixth UK Conference on Boundary Integral Methods* (ed. J. Trevelyan), Durham University Press, Durham, UK, Chapter **13**, pp. 119-128, 2007.

B4. L. Marin, Application of meshless methods to the stable solution of direct and inverse problems in mechanics, *Research Trends in Mechanics* (eds. D. Popa, V. Chiroiu, L. Munteanu), Vol. **3**, Publishing House of the Romanian Academy, Bucharest, Romania, Chapter **12**, pp. 283-319, 2009.

B5. L. Marin, D. Lesnic, Heat transfer in functionally graded materials using the method of fundamental solutions, *Research Trends in Mechanics* (eds. L. Munteanu, V. Chiroiu, T. Sireteanu), Vol. **4**, Publishing House of the Romanian Academy, Bucharest, Romania, Chapter **10**, pp. 221-240, 2010.

B6. L. Marin, Stable MFS-based solution to singular and non-singular inverse problems for two-dimensional Helmholtz-type equations, *Computational Mathematics: Theory, Methods and Applications* (ed. P.G. Chareton), Nova Science Publishers, New York, USA, Chapter **5**, pp. 117-171, 2011.

B7. B.T. Johansson, L. Marin, Comparison of regularizing procedures for boundary data recovery in elasticity, *Inverse Problems and Computational Mechanics* (eds. L. Marin, L. Munteanu, V. Chiroiu), Vol. **1**, Publishing House of the Romanian Academy, Bucharest, Romania, Chapter **7**, pp. 161-189, 2011.

B8. A. Karageorghis, D. Lesnic, L. Marin, The MFS for inverse geometric problems, *Inverse Problems and Computational Mechanics* (eds. L. Marin, L. Munteanu, V. Chiroiu), Vol. **1**, Publishing House of the Romanian Academy, Bucharest, Romania, Chapter **8**, pp. 191-216, 2011.

B9. L. Marin, L. Munteanu, V. Chiroiu (eds.), *Inverse Problems and Computational Mechanics*, Vol. **1**, Publishing House of the Romanian Academy, Bucharest, Romania, 2011, ISBN 978-973-27-2147-6.

B10. A. Karageorghis, D. Lesnic, L. Marin, The method of fundamental solutions for inverse boundary value problems in static thermoelasticity, *Inverse Problems and Computational Mechanics* (eds. L. Marin, L. Munteanu, V. Chiroiu), Vol. **2**, Publishing House of the Romanian Academy, Bucharest, Romania, Chapter **8**, pp. 165-196, 2016.

B11. L. Marin, F. Delvare, Iterative Tikhonov-type regularization methods for inverse BVPs in elasticity, *Inverse Problems and Computational Mechanics* (eds. L. Marin, L. Munteanu, V. Chiroiu), Vol. **2**, Publishing House of the Romanian Academy, Bucharest, Romania, Chapter **9**, pp. 197-224, 2016.

B12. L. Marin, L. Munteanu, V. Chiroiu (eds.), *Inverse Problems and Computational Mechanics*, Vol. **2**, Publishing House of the Romanian Academy, Bucharest, Romania, 2016, ISBN 978-973-27-2708-9.

B13. L. Marin, M.H. Aliabadi (eds.), *Advances in Boundary Element and Meshless Techniques XVIII: International Conference on Boundary Element & Meshless Techniques XVIII*, EC Ltd., UK, 2017, ISBN 978-0-9576731-4-4.

B14. L. Marin, MFS-fading regularization method for inverse BVPs in anisotropic heat conduction. In: *Advances on Trefftz Methods and Their Applications* (eds. C.J.S. Alves, A. Karageorghis, V.M.A. Leitão, S.S. Valtchev), Springer, Cham, Switzerland, Chapter **7**, pp. 121-138, 2020, ISBN 978-3-030-52803-4.

B15. L. Marin, *Regularization Methods for the Cauchy Problem in Linear Elasticity: A Boundary Element Approach*, Publishing House of the Romanian Academy, Bucharest, Romania, in progress.

C. JOURNAL PAPERS

C1. L. Marin, L. Elliott, D.B. Ingham, D. Lesnic, Boundary element method for the Cauchy problem in linear elasticity, *Engineering Analysis with Boundary Elements* **25**(9) 783-793, 2001.

C2. L. Marin, D.N. Hào, D. Lesnic, Conjugate gradient-boundary element method for the Cauchy problem in elasticity, *Quarterly Journal of Mechanics and Applied Mathematics* **55**(2) 227-247, 2002.

C3. L. Marin, D. Lesnic, Regularized boundary element solution for an inverse boundary value problem in linear elasticity, *Communications in Numerical Methods in Engineering* **18**(11) 817-825, 2002.

C4. L. Marin, D. Lesnic, Boundary element solution for the Cauchy problem in linear elasticity using singular value decomposition, *Computer Methods in Applied Mechanics and Engineering* **191**(29-30) 3257-3270, 2002.

C5. L. Marin, L. Elliott, D.B. Ingham, D. Lesnic, An iterative boundary element algorithm for a singular Cauchy problem in linear elasticity, *Computational Mechanics* **28**(6) 479-488, 2002.

C6. L. Marin, L. Elliott, D.B. Ingham, D. Lesnic, Boundary element regularisation methods for solving the Cauchy problem in linear elasticity, *Inverse Problems in Engineering* **10**(4) 335-357, 2002.

C7. L. Marin, D. Lesnic, A regularisation method for the numerical solution of the Cauchy problem for the Helmholtz equation, *Buletinul Ştiinţific al Universităţii Baia Mare, Seria B: Fascicola Matematică-Informatică* **18**(2) 235-242, 2002.

C8. L. Marin, L. Elliott, P.J. Heggs, D.B. Ingham, D. Lesnic, X. Wen, An alternating iterative algorithm for the Cauchy problem associated to the Helmholtz equation, *Computer Methods in Applied Mechanics and Engineering* **192**(5-6) 709-722, 2003.

C9. L. Marin, D. Lesnic, BEM first-order regularisation method in linear elasticity for boundary identification, *Computer Methods in Applied Mechanics and Engineering* **192**(16-18) 2059-2071, 2003.
C10. L. Marin, L. Elliott, D.B. Ingham, D. Lesnic, Identification of material properties and cavities in two-dimensional linear elasticity, *Computational Mechanics* **31**(3-4) 293-300, 2003.
C11. L. Marin, L. Elliott, P.J. Heggs, D.B. Ingham, D. Lesnic, X. Wen, Conjugate gradient-boundary element solution to the Cauchy problem for Helmholtz-type equations, *Computational Mechanics* **31**(3-4) 367-377, 2003.
C12. L. Marin, L. Elliott, D.B. Ingham, D. Lesnic, Parameter identification in isotropic linear elasticity using the boundary element method, *Engineering Analysis with Boundary Elements* **28**(3) 221-233, 2004.
C13. L. Marin, L. Elliott, D.B. Ingham, D. Lesnic, The boundary element method for the numerical recovery of a circular inhomogeneity in an elliptic equation, *Engineering Analysis with Boundary Elements* **28**(4) 413-419, 2004.
C14. L. Marin, L. Elliott, P.J. Heggs, D.B. Ingham, D. Lesnic, X. Wen, Analysis of polygonal fins using the boundary element method, *Applied Thermal Engineering* **24**(8-9) 1321-1339, 2004.
C15. L. Marin, D. Lesnic, The method of fundamental solutions for the Cauchy problem in two-dimensional linear elasticity, *International Journal of Solids and Structures* **41**(13) 3425-3438, 2004.
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C17. L. Marin, L. Elliott, P.J. Heggs, D.B. Ingham, D. Lesnic, X. Wen, BEM solution for the Cauchy problem associated with Helmholtz-type equations by the Landweber method, *Engineering Analysis with Boundary Elements* **28**(9) 1025-1034, 2004.
C18. L. Marin, D. Lesnic, V. Mantič, Treatment of singularities in Helmholtz-type equations using the boundary element method, *Journal of Sound and Vibration* **278**(1-2) 39-62, 2004.
C19. L. Marin, D. Lesnic, The method of fundamental solutions for the Cauchy problem associated with two-dimensional Helmholtz-type equations, *Computers & Structures* **83**(4-5) 267-278, 2005.
C20. L. Marin, D. Lesnic, Boundary element-Landweber method for the Cauchy problem in linear elasticity, *IMA Journal of Applied Mathematics* **70**(2) 323-340, 2005.
C21. L. Marin, Numerical solution of the Cauchy problem for steady-state heat transfer in two-dimensional functionally graded materials, *International Journal of Solids and Structures* **42**(15) 4338-4351, 2005.
C22. L. Marin, A meshless method for the numerical solution of the Cauchy problem associated with three-dimensional Helmholtz-type equations, *Applied Mathematics and Computation* **165**(2) 355-374, 2005.
C23. L. Marin, L. Elliott, P.J. Heggs, D.B. Ingham, D. Lesnic, X. Wen, Two-dimensional thermal analysis of a polygonal fin with two tubes on a square pitch, *International Journal of Heat and Mass Transfer* **48**(14) 3018-3033, 2005.
C24. L. Marin, Detection of cavities in Helmholtz-type equations using the boundary element method, *Computer Methods in Applied Mechanics and Engineering* **194**(36-38) 4006-4023, 2005.
C25. L. Marin, A meshless method for solving the Cauchy problem in three-dimensional elastostatics, *Computers & Mathematics with Applications* **50**(1-2) 73-92, 2005.
C26. L. Marin, D. Lesnic, The method of fundamental solutions for inverse boundary value problems associated with the two-dimensional biharmonic equation, *Mathematical and Computer Modelling* **42**(3-4) 261-278, 2005.

C27. B. Jin, Y. Zheng, L. Marin, The method of fundamental solutions for inverse boundary value problems associated with the steady-state heat conduction in anisotropic media, *International Journal for Numerical Methods in Engineering* **65**(11) 1865-1891, 2006.
C28. L. Marin, L. Elliott, P.J. Heggs, D.B. Ingham, D. Lesnic, X. Wen, Dual reciprocity boundary element method solution of the Cauchy problem for Helmholtz-type equations with variable coefficients, *Journal of Sound and Vibration* **297**(1-2) 89-105, 2006.
C29. L. Marin, Numerical boundary identification for Helmholtz-type equations, *Computational Mechanics* **39**(1) 25-40, 2006.
C30. L. Marin, L. Elliott, P.J. Heggs, D.B. Ingham, D. Lesnic, X. Wen, Parameter identification in two-dimensional fins using the boundary element method, *Numerical Heat Transfer, Part A: Applications* **50**(4) 315-344, 2006.
C31. L. Marin, L. Elliott, P.J. Heggs, D.B. Ingham, D. Lesnic, X. Wen, Parameter identification in Helmholtz-type equations with a variable coefficient using a regularized DRBEM, *Inverse Problems in Science and Engineering* **14**(8) 837-858, 2006.
C32. B.T. Johansson, L. Marin, A procedure for the temperature reconstruction in corner domains from Cauchy data, *Inverse Problems* **23**(1) 357-372, 2007.
C33. B. Jin, L. Marin, The method of fundamental solutions for inverse source problems associated with steady-state heat conduction, *International Journal for Numerical Methods in Engineering* **69**(8) 1570-1589, 2007.
C34. L. Comino, L. Marin, R. Gallego, An alternating iterative algorithm for the Cauchy problem in anisotropic elasticity, *Engineering Analysis with Boundary Elements* **31**(8) 667-682, 2007.
C35. L. Marin, D. Lesnic, The method of fundamental solutions for nonlinear functionally graded materials, *International Journal of Solids and Structures* **44**(21) 6878-6890, 2007.
C36. L. Marin, H. Power, R.W. Bowtell, C. Cobos Sanchez, A.A. Becker, P. Glover, I.A. Jones, Boundary element method for an inverse problem in magnetic resonance imaging gradient coils, *CMES: Computer Modeling in Engineering & Sciences* **23**(3) 149-174, 2008.
C37. B. Jin, L. Marin, The plane wave method for inverse problems associated with Helmholtz-type equations, *Engineering Analysis with Boundary Elements* **32**(3) 223-240, 2008.
C38. L. Marin, H. Power, R.W. Bowtell, C. Cobos Sanchez, A.A. Becker, P. Glover, I.A. Jones, Numerical solution for an inverse MRI problem using a regularized boundary element method, *Engineering Analysis with Boundary Elements* **32**(8) 658-675, 2008.
C39. L. Marin, The method of fundamental solutions for inverse problems associated with the steady-state heat conduction in the presence of sources, *CMES: Computer Modeling in Engineering & Sciences* **30**(2) 99-122, 2008.
C40. L. Marin, Stable MFS solution to singular direct and inverse problems associated with the Laplace equation subjected to noisy data, *CMES: Computer Modeling in Engineering & Sciences* **37**(3) 203-242, 2008.
C41. L. Marin, The minimal error method for the Cauchy problem in linear elasticity. Numerical implementation for two-dimensional homogeneous isotropic linear elasticity, *International Journal of Solids and Structures* **46**(5) 957-974, 2009.
C42. L. Marin, Boundary element-minimal error method for the Cauchy problem associated with Helmholtz-type equations, *Computational Mechanics* **44**(2) 205-219, 2009.
C43. C. Cobos Sanchez, R.W. Bowtell, H. Power, P. Glover, L. Marin, A.A. Becker, I.A. Jones, Forward electric field calculation using BEM for time-varying magnetic field gradients and motion in strong static fields, *Engineering Analysis with Boundary Elements* **33**(8-9) 1074-1088, 2009.
C44. L. Marin, Boundary reconstruction in two-dimensional functionally graded materials using a regularized MFS, *CMES: Computer Modeling in Engineering & Sciences* **46**(3) 221-253, 2009.

C45. L. Marin, An iterative MFS algorithm for the Cauchy problem associated with the Laplace equation, *CMES: Computer Modeling in Engineering & Sciences* **48**(2) 121-153, 2009.
C46. L. Marin, A. Karageorghis, Regularized MFS-based boundary identification in two-dimensional Helmholtz-type equations, *CMC: Computers, Materials & Continua* **10**(3) 259-293, 2009.
C47. L. Marin, An alternating iterative MFS algorithm for the Cauchy problem in two-dimensional anisotropic heat conduction, *CMC: Computers, Materials & Continua* **12**(1) 71-100, 2009.
C48. L. Marin, A meshless method for the stable solution of singular inverse problems for two-dimensional Helmholtz-type equations, *Engineering Analysis with Boundary Elements* **34**(3) 274-288, 2010.
C49. L. Marin, Treatment of singularities in the method of fundamental solutions for two-dimensional Helmholtz-type equations, *Applied Mathematical Modelling* **34**(6) 1615-1633, 2010.
C50. L. Marin, An alternating iterative MFS algorithm for the Cauchy problem for the modified Helmholtz equation, *Computational Mechanics* **45**(6) 665-677, 2010.
C51. B.T. Johansson, L. Marin, Relaxation of alternating iterative algorithms for the Cauchy problem associated with the modified Helmholtz equation, *CMC: Computers, Materials & Continua* **13**(2) 153-190**,** 2010.
C52. M. Mohammadi, M.R. Hematiyan, L. Marin, Boundary element analysis of nonlinear heat conduction problems involving non-homogeneous and nonlinear heat sources using time-dependent fundamental solutions, *Engineering Analysis with Boundary Elements* **34**(7) 655-665, 2010.
C53. L. Marin, Reconstruction of boundary data in two-dimensional isotropic linear elasticity from Cauchy data using an iterative MFS algorithm, *CMES: Computer Modeling in Engineering & Sciences* **60**(3) 221-246, 2010.
C54. L. Marin, L. Munteanu, Boundary reconstruction in two-dimensional steady state anisotropic heat conduction using a regularized meshless method, *International Journal of Heat and Mass Transfer* **53**(25-26) 5815–5826, 2010.
C55. L. Marin, Regularized method of fundamental solutions for boundary identification in two-dimensional isotropic linear elasticity, *International Journal of Solids and Structures* **47**(24) 3326-3340, 2010.
C56. L. Marin, B.T. Johansson, Relaxation procedures for an iterative MFS algorithm for the stable reconstruction of elastic fields from Cauchy data in two-dimensional isotropic linear elasticity, *International Journal of Solids and Structures* **47**(25-26) 3462-3479, 2010.
C57. L. Marin, Stable boundary and internal data reconstruction in two-dimensional anisotropic heat conduction Cauchy problems using relaxation procedures for an iterative MFS algorithm, *CMC: Computers, Materials & Continua* **17**(3) 233-274, 2010.
C58. L. Marin, B.T. Johansson, A relaxation method of an alternating iterative algorithm for the Cauchy problem in linear isotropic elasticity, *Computer Methods in Applied Mechanics and Engineering* **199**(49-52) 3179-3196, 2010.
C59. L. Marin, A. Karageorghis, D. Lesnic, The MFS for numerical boundary identification in two-dimensional harmonic problems, *Engineering Analysis with Boundary Elements* **35**(3) 342-354, 2011.
C60. L. Marin, Relaxation procedures for an iterative MFS algorithm for two-dimensional steady-state isotropic heat conduction Cauchy problems, *Engineering Analysis with Boundary Elements* **35**(3) 415-429, 2011.
C61. A. Karageorghis, D. Lesnic, L. Marin, A survey of applications of the MFS to inverse problems, *Inverse Problems in Science and Engineering* **19**(3) 309-336, 2011.

C62. A. Khosravifard, M.R. Hematiyan, L. Marin, Nonlinear heat conduction transient analysis of functionally graded materials in the presence of heat sources using an improved meshless radial point interpolation method, *Applied Mathematical Modelling* **35**(9) 4157-4174, 2011.
C63. M.R. Hematiyan, M. Mohammadi, L. Marin, A. Khosravifard, Boundary element analysis of uncoupled transient thermo-elastic problems with time- and space-dependent heat sources, *Applied Mathematics and Computation* **218**(5) 1862–1882, 2011.
C64. L. Marin, A relaxation method of an alternating iterative MFS algorithm for the Cauchy problem associated with the two-dimensional modified Helmholtz equation, *Numerical Methods for Partial Differential Equations* **28**(3) 899–925, 2012.
C65. A. Karageorghis, D. Lesnic, L. Marin, The method of fundamental solutions for the detection of rigid inclusions and cavities in plane linear elastic bodies, *Computers & Structures* **106-107** 176-188, 2012.
C66. S. Khajehpour, M.R. Hematiyan, L. Marin, A domain decomposition method for the stable analysis of inverse nonlinear transient heat conduction problems, *International Journal of Heat and Mass Transfer* **58**(1-2) 125–134, 2013.
C67. A. Karageorghis, D. Lesnic, L. Marin, A moving pseudo-boundary method of fundamental solutions for void detection, *Numerical Methods for Partial Differential Equations* **29**(3) 935–960, 2013.
C68. A. Khosravifard, M.R. Hematiyan, L. Marin, Determination of optimal cooling conditions for continuous casting by a meshless method, *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science* **227**(5) 1022–1035, 2013.
C69. A. Karageorghis, L. Marin, Efficient MFS algorithms for problems in thermoelasticity, *Journal of Scientific Computing* **56**(1) 96–121, 2013.
C70. L. Marin, A. Karageorghis, The MFS-MPS for two-dimensional steady-state thermoelasticity problems, *Engineering Analysis with Boundary Elements* **37**(7-8) 1004–1020, 2013.
C71. A. Karageorghis, D. Lesnic, L. Marin, A moving pseudo-boundary MFS for three-dimensional void detection, *Advances in Applied Mathematics and Mechanics* **5**(4) 510–527, 2013.
C72. L. Marin, A. Karageorghis, The MFS for the Cauchy problem in two-dimensional steady-state linear thermoelasticity, *International Journal of Solids and Structures* **50**(20-21) 3387–3398, 2013.
C73. A. Karageorghis, D. Lesnic, L. Marin, Regularized Trefftz collocation method for void detection in two-dimensional steady-state heat conduction problems, *Inverse Problems in Science and Engineering* **22**(3) 395–418, 2014.
C74. A. Karageorghis, D. Lesnic, L. Marin, The method of fundamental solutions for an inverse boundary value problem in static thermo-elasticity, *Computers & Structures* **135** 32-39, 2014.
C75. M.A. Heravi, L. Marin, C. Sebu, The method of fundamental solutions for complex electrical impedance tomography, *Engineering Analysis with Boundary Elements* **46** 126–139, 2014.
C76. A. Karageorghis, D. Lesnic, L. Marin, A moving pseudo-boundary MFS for void detection in two-dimensional thermoelasticity, *International Journal of Mechanical Sciences* **88** 276-288, 2014.
C77. L. Marin, A. Karageorghis, D. Lesnic, A numerical study of the SVD-MFS solution of inverse boundary value problems in two-dimensional steady-state linear thermoelasticity, *Numerical Methods for Partial Differential Equations* **31**(1) 168-201, 2015.
C78. A. Karageorghis, D. Lesnic, L. Marin, The method of fundamental solutions for solving direct and inverse Signorini problems, *Computers & Structures* **151** 11-19, 2015.
C79. A. Karageorghis, B. Bin-Mohsin, D. Lesnic, L. Marin, Simultaneous numerical determination of a corroded boundary and its admittance, *Inverse Problems in Science and Engineering* **23**(7) 1120-1137, 2015.

C80. L. Marin, F. Delvare, A. Cimetière, Fading regularization MFS algorithm for inverse boundary value problems in two-dimensional linear elasticity, *International Journal of Solids and Structures* **78-79** 9-20, 2016.
C81. L. Marin, An invariant method of fundamental solutions for two-dimensional steady-state anisotropic heat conduction problems, *International Journal of Heat and Mass Transfer* **94** 449-464, 2016.
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C85. L. Marin, A. Karageorghis, D. Lesnic, B.T. Johansson, The method of fundamental solutions for problems in static thermo-elasticity with incomplete boundary data, *Inverse Problems in Science and Engineering* **25**(5) 652-673, 2017.
C86. K. Van Bockstal, L. Marin, Recovery of a space-dependent vector source in anisotropic thermoelastic systems, *Computer Methods in Applied Mechanics and Engineering* **321** 269-293, 2017.
C87. Y. Sun, L. Marin, An invariant method of fundamental solutions for two-dimensional isotropic linear elasticity, *International Journal of Solids and Structures* **117** 191-207, 2017.
C88. A. Karageorghis, D. Lesnic, L. Marin, The MFS for the identification of a sound-soft interior acoustic scatterer, *Engineering Analysis with Boundary Elements* **83** 107-112, 2017.
C89. A. Karageorghis, D. Lesnic, L. Marin, The plane waves method for numerical boundary identification, *Advances in Applied Mathematics and Mechanics* **9**(6) 1312-1329, 2017.
C90. L. Caillé, F. Delvare, L. Marin, N. Michaux-Leblond, Fading regularization MFS algorithm for the Cauchy problem associated with the two-dimensional Helmholtz equation, *International Journal of Solids and Structures* **125** 122-133, 2017.
C91. A. Karageorghis, D. Lesnic, L. Marin, The method of fundamental solutions for the identification of a scatterer with impedance boundary condition in interior inverse acoustic scattering, *Engineering Analysis with Boundary Elements* **92** 218-224, 2018.
C92. L. Caillé, L. Marin, F. Delvare, A meshless fading regularization algorithm for solving the Cauchy problem for the three-dimensional Helmholtz equation, *Numerical Algorithms* **82**(3) 869-894, 2019.
C93. M. Grimmonprez, L. Marin, K. Van Bockstal, The reconstruction of a solely time-dependent load in a simply supported non-homogeneous Euler-Bernoulli beam, *Applied Mathematical Modelling* **79** 914-933, 2020.
C94. L. Marin, Landweber-Fridman algorithms for the Cauchy problem in steady-state anisotropic heat conduction, *Mathematics and Mechanics of Solids* **25**(6) 1340-1363, 2020.
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Professor Liviu MARIN	Date
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