

Curriculum Vitae

First Name: Lorenzo

Last Name: Mascotto

Place of birth: Milan, Italy

Date of birth: 1 December 1990

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Languages:

- Italian, mother language
- English, fluent
- German, intermediate

Current position

- lecturer (RTD-B) at Università di Milano-Bicocca (Italy) since October 2021
- Senior Research Fellow at Universität Wien (Austria) since October 2021
- Research Associate at IMATI-CNR Pavia (Italy) since December 2021
- national scientific qualification to function as associate professor of numerical analysis in Italian Universities in the period 07.2020 – 06.2029
- national scientific qualification to function as full professor of numerical analysis in Italian Universities in the period 11.12.2023 – 11.12.2034

Past Positions & Education

- **University assistant:** Universität Wien (Austria) February 2019 - September 2021
- **Post-Doc:** Universität Wien (Austria) November 2017 - January 2019 (under the supervision of prof. I. Perugia), within the project “Taming complexity in Partial Differential Systems” financed with funds of the *Der Wissenschaftsfonds*
- **PhD:** Università degli Studi di Milano, November 2014 - October 2017, excellent cum laude. Advisor: prof. L. Beirão da Veiga. Carl Von Ossietzky Universität Oldenburg (Germany), October 2015 - October 2017, summa cum laude. Advisor: prof. A. Chernov. Title of the Thesis: “The *hp* version of the Virtual Element Method”. Date of the Joint PhD Defense: 26.02.2018
- **Master Degree:** Università degli Studi di Milano, October 2012 - July 2014, 110/110 cum laude. Advisor: prof. L. Beirão da Veiga. Title of the Thesis: “Virtual elements for the Stokes and Navier-Stokes problems”

Preprints

1. Z. Dong, L. Mascotto *hp-optimal convergence of the original DG method for linear hyperbolic problems on special simplicial meshes*. Preprint available at <https://arxiv.org/abs/2310.13564>, 2023
2. E. Artioli, L. Mascotto *Enriched virtual elements for plane elasticity with corner singularities*. Submitted for publication, 2023
3. L. Beirão da Veiga, Y. Liu, L. Mascotto, A. Russo *The nonconforming virtual element method with curved edges*. Preprint available at <https://arxiv.org/abs/2303.15204>, 2023
4. S. Gómez, L. Mascotto, A. Moiola, I. Perugia *Space-time virtual elements for the heat equation*. Preprint available at <https://arxiv.org/abs/2212.05343>, 2022
5. F. Dassi, J. Gedicke, L. Mascotto *Adaptive virtual elements based on hybridized, reliable, and efficient flux reconstructions*. Preprint available at <https://arxiv.org/abs/2107.03716>, 2021

Papers

1. S. Gómez, L. Mascotto, I. Perugia *Design and performance of a space-time virtual element method for the heat equation on prismatic meshes*. Computer Methods in Applied Mechanics and Engineering, 418A, 116491, 2024
2. L. Mascotto *The role of stabilization in the virtual element method: a survey*. Computers & Mathematics with Applications, 151, pp. 244–251, 2023
3. Z. Dong, L. Mascotto *hp-optimal interior penalty discontinuous Galerkin methods for the biharmonic problem*. Journal of Scientific Computing, 96(1), article 30, 2023
4. L. Beirão da Veiga, F. Dassi, G. Manzini, L. Mascotto *The Virtual Element Method for the 3D Resistive Magnetohydrodynamic model*. Mathematical Models and Methods in Applied Sciences 33(3), pp. 643-686, 2023
5. L. Beirão da Veiga, L. Mascotto *Interpolation and stability properties of low order face and edge virtual element spaces*. IMA Journal of Numerical Analysis, 43(2), pp. 828–851, 2023
6. L. Beirão da Veiga, L. Mascotto *Stability and interpolation properties of serendipity nodal virtual elements*. Applied Mathematics Letters, 142, article 108639, 2023
7. L. Beirão da Veiga, L. Mascotto, J. Meng *Stabilization and interpolation properties for edge and face virtual elements of general order*. Journal of Scientific Computing, 94(3), article 56, 2023
8. L. Beirão da Veiga, L. Mascotto, J. Meng *Interpolation and stability estimates for edge and face virtual elements of general order*. Mathematical Models and Methods in Applied Sciences 32(8), pp. 1589-1631, 2022
9. Ch. Erath, L. Mascotto, J. M. Melenk, I. Perugia, A. Rieder *Mortar coupling of hp-discontinuous Galerkin and boundary element methods for the Helmholtz equation*. Journal of Scientific Computing, 92(1), article 2, 2022
10. F. Dassi, J. Gedicke, L. Mascotto *Adaptive virtual element methods with equilibrated fluxes*. Applied Numerical Mathematics, 173, pp. 249–278, 2022
11. P. F. Antonietti, L. Mascotto, M. Verani, S. Zonca *Stability analysis of polytopic Discontinuous Galerkin approximations of the Stokes problem with applications to fluid-structure interaction problems*. Journal of Scientific Computing, 90(1), article number 23, 2022

12. L. Beirão da Veiga, F. Dassi, G. Manzini, L. Mascotto, *Virtual elements for Maxwell's equations*. *Computers & Mathematics with Applications*, 116, pp. 82–99, 2022
13. E. Artioli, L. Mascotto *Enrichment of the nonconforming virtual element method with singular functions*. *Computer Methods in Applied Mechanics and Engineering*, 385, 114024, 2021
14. Z. Dong, L. Mascotto, O. J. Sutton *Residual-based a posteriori error estimates for hp-discontinuous Galerkin discretisations of the biharmonic problem*. *SIAM Journal on Numerical Analysis*, 59(3), pp. 1273–1298, 2021
15. A. Chernov, C. Marcati, L. Mascotto *p- and hp-virtual elements for the Stokes problem*. *Advances in Computational Mathematics*, 47(2), article number 24, 2021
16. L. Mascotto, J. M. Melenk, I. Perugia, A. Rieder *FEM-BEM mortar coupling for the Helmholtz equation in three dimensions*. *Computers & Mathematics with Applications*, 80(11), pp. 2351–2378, 2020
17. L. Mascotto, A. Pichler *Extension of the nonconforming Trefftz virtual element method to the Helmholtz problem with piecewise constant wave number*. *Applied Numerical Mathematics*, 155, pp. 160–180, 2020
18. O. Čertík, F. Gardini, G. Manzini, L. Mascotto, G. Vacca *The p- and hp-versions of the virtual element method for elliptic eigenvalue problems*. *Computers & Mathematics with Applications*, 79(9), pp. 2035–2056, 2020
19. A. Chernov, L. Mascotto, *The harmonic virtual element method: stabilization and exponential convergence for the Laplace problem on polygonal domains*. *IMA Journal of Numerical Analysis*, 39(4), pp. 1787–1817, 2019
20. L. Mascotto, I. Perugia, A. Pichler *A nonconforming Trefftz virtual element method for the Helmholtz problem*. *Mathematical Models and Methods in Applied Sciences*, 29(9), 1619–1656, 2019
21. L. Beirão da Veiga, G. Manzini, L. Mascotto, *A posteriori error estimation and adaptivity in hp virtual elements*. *Numerische Mathematik*, 143(1), pp. 139–175, 2019
22. L. Mascotto, I. Perugia, A. Pichler *A nonconforming Trefftz virtual element method for the Helmholtz problem: numerical aspects*. *Computer Methods in Applied Mechanics and Engineering*, 347, pp. 444–476, 2019
23. L. Mascotto, I. Perugia, A. Pichler *Non-conforming harmonic virtual element method: h- and p-versions*. *Journal of Scientific Computing*, 77(3), pp. 1874–1908, 2018
24. P. F. Antonietti, L. Mascotto, M. Verani, *A multigrid algorithm for the p-version of the virtual element method*. *Mathematical Modelling and Numerical Analysis*, 52(1), pp. 337–364, 2018
25. L. Mascotto, *Ill-conditioning in the virtual element method: stabilizations and bases*. *Numerical Methods for Partial Differential Equations*, 34(4), pp. 1258–1281, 2018
26. F. Dassi, L. Mascotto, *Exploring high-order three dimensional virtual elements: bases and stabilizations*. *Computers & Mathematics with Applications*, 75(9), pp. 3379–3401, 2018
27. L. Beirão da Veiga, A. Chernov, L. Mascotto, A. Russo, *Exponential convergence of the hp virtual element method in presence of corner singularities*, *Numerische Mathematik*, 138(3), pp. 581–613, 2018
28. L. Beirão da Veiga, A. Chernov, L. Mascotto, A. Russo, *Basic principles of hp virtual element methods*, *Mathematical Models and Methods for Applied Sciences* 26(8), pp. 1567–1598, 2016

Proceedings

1. Z. Dong, L. Mascotto, *On the suboptimality of the p -version discontinuous Galerkin methods for first order hyperbolic problems*, 14th WCCM-ECCOMAS Congress 2020, vol. 700, 2021

Chapters

1. L. Mascotto, I. Perugia, A. Pichler, *The nonconforming Trefftz virtual element method: general setting, applications, and dispersion analysis for the Helmholtz equation*. In “The Virtual Element Method and its Applications”, SEMA SIMAI Springer Series, vol. 31, pp. 363-410, 2022

Grants (\geq 2000 €)

- (unit leader, Milano-Bicocca of the) PRIN Project “PRIN Grant ASTICE ” Advanced Space-Time disCrEtization methods: theory, solvers and applications”, 28.09.2023–27.09.2025 funded by the Italian Ministry of Research and Unviersity, 187.400,00 €. PI Andrea Moiola (University of Pavia)
- Einzelproject P 33477, funded on 09.03.2020 by the FWF: 407.526,00 €

Teaching activity

Academic year 2022-2023:

- “Metodi del Calcolo Scientifico”, Spring Semester 2023, Department of Computer Science, Master, Università di Milano-Bicocca, together with Prof. F. Dassi (10 hours), in Italian
- “Metodi numerici per Equazioni alle Derivate Parziali”, Spring Semester 2023, Department of Mathematics and Applications, Master, Università di Milano-Bicocca, together with Cr. C. Tablino Possio (42 hours), in Italian
- Teaching assistant for the course “Metodi numerici avanzati per Equazioni alle Derivate Parziali”, Fall Semester 2022, Department of Mathematics and Applications, Master, Università di Milano-Bicocca, Prof. L. Beirão da Veiga (20 hours), in Italian
- **PhD course** “Numerical Optimization”, Fall Semester, PhD in Economics, Statistics and Data Science, University of Milano-Bicocca (12 hours), in English

Academic year 2021-2022:

- “Metodi del Calcolo Scientifico”, Spring Semester 2022, Department of Computer Science, Master, Università di Milano-Bicocca (52 hours), in Italian
- Teaching assistant for the course “Metodi numerici avanzati per Equazioni alle Derivate Parziali”, Fall Semester 2021, Department of Mathematics and Applications, Master, Università di Milano-Bicocca (20 hours), in Italian

Academic year 2020-2021:

- “Topics in Finite Elements”, Spring Semester, Fakultät für Mathematik, Master, Universität Wien (10 hours), in English
- “Übungen zu Numerische Mathematik 1”, Fall Semester, Fakultät für Mathematik, Bachelor, Universität Wien (56 hours), in German and English
- **PhD course** on-line, “The virtual element method”, Northwest Polytechnic University Xi’an, China (3 hours), in English

Academic year 2019-2020:

- “Übungen zu Numerische Mathematik 1”, Fall Semester, Fakultät für Mathematik, Bachelor, Universität Wien (56 hours), in German
- “Übungen zu Analysis”, Spring Semester, Fakultät für Mathematik, Bachelor, Universität Wien (28 hours), in German

Academic year 2018-2019:

- “Topics in Finite Elements”, Spring Semester, Fakultät für Mathematik, Master, Universität Wien, in collaboration with Prof. Ilaria Perugia (16 hours), in English

Academic year 2016-2017:

- Teaching assistant for the course “Methods for Scientific Calculus”, Spring Semester, Department of Computer Science, Master, Università degli Studi di Milano-Bicocca, together with Prof. Alessandro Russo (20 hours), in Italian
- Teaching assistant for the course “Numerical Methods for Partial Differential Equations 2”, Spring Semester, Department of Mathematics, Master, Università degli Studi di Milano, course by Prof. Paola Causin (24 hours), in Italian

Academic year 2015-2016:

- Charge of the course “Minimat: introduction to Mathematics”, September 2015, Department of Computer Science, Bachelor, Università degli Studi di Milano (21 hours), in Italian
- Teaching assistant for the course “Methods for Scientific Calculus”, Spring Semester, Department of Computer Science, Master, Università degli Studi di Milano-Bicocca, together with Prof. Lourenço Beirão da Veiga (20 hours), in Italian
- Teaching assistant for the course “Numerical Methods for Partial Differential Equations 2”, Spring Semester, Department of Mathematics, Master, Università degli Studi di Milano, course by Dr. Paola Causin (36 hours), in Italian

Mentoring and Supervision of Students

- advisor for the BSc Thesis “Metodi di ottimizzazione di tipo Trust Region” of Mr. Daniele Rossetti at the Faculty of Mathematics and Applications, University of Milano Bicocca, November 2022
- advisor for the MSc Thesis “Space-time finite elements for the heat equation: a priori analysis and adaptivity” of Ms. Agnese Frangi at the Faculty of Mathematics and Applications, University of Milano Bicocca, September 2022
- advisor for the MSc Thesis “The Virtual Element Method for the Helmholtz equation” of Mr. Daniele Dell’Oro at the Faculty of Mathematics and Applications, University of Milano Bicocca, September 2022
- advisor for the BSc Thesis “Abschätzung der Obere Grenze von Sigma Funktion” of Mr. Moisej Plistiev at the Fakultät für Mathematik, University of Vienna, January 2021
- co-advisor (together with Prof. I. Perugia) for the MSc Thesis “Reduced basis methods for the Helmholtz problem” of Mr. Mark Stempel at the Faculty of Computer Science, University of Vienna, January 2020

Post docs

- Alexander Rieder, post doc at the University of Vienna: 03.2021 – 09.2021
- Monica Nonino, post doc at the University of Vienna: 03.2021 – 02.2024

Invited seminars and talks ¹

- Seminar *Enriching Galerkin methods*, 23 November 2022, “Mathlab seminar” at SISSA, Trieste, Italy
- Communication *Virtual elements, exact sequences, and magnetic problems*, 29 August - 2 September 2022, CMAM 2020-2022, Vienna, Austria
- Communication *An overview of recent extended polygonal methods*, 4-8 July 2022, ESMC 2022, Galway, Ireland
- Communication *A space-time virtual element method for parabolic problems*, 5-9 June 2022, ECCOMAS 2022, Oslo, Norway
- Communication *Recent developments in enriched and extended virtual elements*, 14-18 March 2022, SIAM Conference on analysis of PDEs in Germany, on-line conference
- Seminar *Enriching Galerkin methods*, 3 March 2022, “Very informal seminar”, University of Pavia, Italy
- Communication *Four error estimators for the p - and hp -versions of the virtual element method*, 12-16 July 2021, ICOSAHOM 2020-21, on-line conference
- Communication *A new paradigm for enriching virtual elements*, 21-24 June 2021, SIAM Conference on Mathematical & Computational Issues in the Geosciences, on-line conference
- Communication *Enriching virtual elements with singular functions*, 17-19 May 2021, Polygonal methods for PDEs: theory and applications, on-line workshop
- Seminar *Enriched nonconforming virtual element methods* 29 April 2021, INRIA-SERENA internal seminar, invitation of Dr. Zhaonan Dong
- Communication *On Trefftz virtual element spaces*, 26-30 August 2019, WAVES 2019, Vienna, Austria
- Communication *The p - and hp -virtual elements for elliptic eigenvalue problems*, 15-19 July 2019, ICIAM 2019, Valencia, Spain
- Communication *The Trefftz virtual element method*, 18-21 June 2019, MAFELAP 2019, Uxbridge, London, UK
- Communication [keynote lecture] *A nonconforming Trefftz virtual element method for the fluid-fluid interface problem*, 18-22 February 2019, GAMM 2019, Vienna, Austria
- Communication *A nonconforming Trefftz virtual element method for the fluid-fluid interface problem*, 21-25 January 2019, Sixth Chilean Workshop of Numerical Analysis of Partial Differential Equations WONAPDE 2019, Concepción, Chile
- Communication *hp VEM and a posteriori error analysis* 2-6 July 2018, 10th European Solid Mechanics Conference, Bologna, Italy
- Communication *A nonconforming Trefftz-virtual element method for the Helmholtz problem* 12-15 June 2018, Structural Dynamical Systems workshop, Capitolo, Italy
- Communication *Nonconforming harmonic virtual element method: h - and p -versions* 3-4 May 2018, 14-th Austrian Numerical Analysis Day 2018, Klagenfurt, Austria
- Communication *hp Virtual Element Method* 17-19 January 2018, DK Winter Workshop and SFB Internal Meeting, Reichenau an der Rax, Austria
- Communication *The hp version of the Virtual Element Method* 25-29 September 2017, ENU-MATH 2017, Voss, Norway

¹With participation to the associated congress.

- Communication *Virtual Element Method: a therapy for ill-conditioning* 5-7 July 2017, PO-EMS workshop on Polytopal Methods for PDEs, Milan, Italy
- Seminar *hp Virtual Element Methods: an introduction* 17 May 2017, DK seminar - Summer Term 2016-17, invitation of Prof. Ilaria Perugia
- Communication *The Harmonic version of the Virtual Element Method and its hp version* 5-7 April 2017, IACM 19th International Conference on Finite Elements in Flow Problems - FEF 2017, Rome, Italy
- Communication *The hp version of the Virtual Element Method: approximation of corner singularities*, 13-17 September 2016, SIMAI 2016, 20 minutes, Politecnico di Milano, Milan, Italy
- Communication *The hp version of Virtual Element Methods for the Poisson problem: approximation of corner singularities*, 13-17 June 2016, MAFELAP 2016, Brunel University, London, UK
- Seminar *Raffinamenti di tipo hp per il metodo degli Elementi Virtuali* 10 June 2016, PhD Day, Milan, Italy
- Seminar *An introduction to Virtual Element Methods and their p version* 12 November 2015, Oberseminar, Oldenburg, Germany
- Communication *Basic principles of hp Virtual Element Method* 9-11 September 2015, X-DMS (Extended Discretization Methods) 2015, Ferrara, Italy

Participation to Schools

- Summer School in Dobbiaco (Bolzano), Italy: “Theory and Practice of the Virtual Element Method”, 17-22 June 2018
- Summer School in Dobbiaco (Bolzano), Italy: “Innovative concepts for complexity reduction in numerical PDEs: nonlinear approximation, sparsity, adaptivity, model reduction”, 21-26 June 2015

Foreign periods for scientific collaboration

- 11–15 December 2023, invited to the Fakultät für Mathematik, Universität Wien, invitation of Prof. Ilaria Perugia
- 17-21 July 2023, invited to the Department of Mathematics, University of Salento, Lecce, Italy, invitation of Prof. Ivonne Sgura
- 31 May-02 June 2023, invited to the Fakultät für Mathematik, Universität Wien, invitation of Prof. Ilaria Perugia
- 22-26 January 2023, invited to Institut für Numerische Simulation, Universität Bonn, Germany, invitation of Prof. Joscha Gedicke
- 15-20 January 2023, invited to the Fakultät für Mathematik, Universität Wien, invitation of Prof. Ilaria Perugia
- 22-25 November 2022, invited to SISSA, Trieste, Italy, invitation of Prof. Andrea Cangiani
- 21-27 May 2022, invited to INRIA, Paris, France, invitation of Dr. Zhaonan Dong
- 16-21 January 2021, invited to the Fakultät für Mathematik, Universität Wien, invitation of Prof. Ilaria Perugia

- 21-25 November 2021, invited to Institut für Numerische Simulation, Universität Bonn, Germany, invitation of Prof. Joscha Gedicke
- 17-22 July 2021, invited to INRIA, Paris, France, invitation of Dr. Zhaonan Dong
- 6-10 September 2020, invited to Institut für Numerische Simulation, Universität Bonn, Germany, invitation of Prof. Joscha Gedicke
- 10-14 March 2020, invited to the School of Mathematics, University of Cardiff, UK, invitation of Dr. Zhaonan Dong
- 17-21 February 2020, invited to IMATI-CNR, Pavia, Italy, invitation of Dr. Gianmarco Manzini
- 10-13 February 2020, invited to the Institut für Mathematik, Carl von Ossietzky Universität Oldenburg, invitation of Prof. Alexey Chernov
- 18-20 November 2019, invited to Institut für Numerische Simulation, Universität Bonn, Germany, invitation of Prof. Joscha Gedicke
- 4-17 August 2019, invited to the Theoretical Division, Los Alamos National Laboratory, New Mexico, USA, invitation of Dr. Gianmarco Manzini
- 1-5 October 2018, invited to the Dipartimento di Matematica, Università degli Studi di Milano-Bicocca, invitation of Dr. Giuseppe Vacca
- 27-29 August 2018, invited to the Institut für Mathematik, Carl von Ossietzky Universität Oldenburg, invitation of Prof. Alexey Chernov
- 3-31 October 2017, invited to Fakultät für Mathematik, Universität Wien, invitation of Prof. Ilaria Perugia
- 16-19 May 2017, invited to the Fakultät für Mathematik, Universität Wien, invitation of Prof. Ilaria Perugia

Organization activity

- Member of the Organizing Committee of the Workshop “POEMs 2022”, 12-14 December 2022, Milan, Italy, in collaboration with M. Botti, F. Dassi, I. Mazzieri (Organizing Committee), P. F. Antonietti, L. Beirão da Veiga, D. Di Pietro, A. Russo, M. Verani (Scientific Committee)
- Organizer of the minisymposium “Polygonal and polyhedral methods: theory and applications” in *GIMC-SIMAI YOUNG 2022*, 29-30 September 2022, Pavia, Italy, in collaboration with M. Botti
- Organizer of the minisymposium “Structure preserving and adaptive polytopal methods” within *ECCOMAS 2022*, 5-9 June 2022, Oslo, Norway, in collaboration with P. F. Antonietti, A. Cangiani, and Z. Dong
- Organizer of the minisymposium “ p - and hp -Galerkin methods and approximation of singularities” within *ICOSAHOM 2020*, 12-16 July 2021, Vienna, Austria, in collaboration with Z. Dong
- Organizer of the minisymposium “Recent advancements in p and hp Galerkin methods” within *MAFELAP 2019, The Mathematics of Finite Elements and Applications 2019*, 17-21 June 2019, London, UK, in collaboration with Z. Dong and A. Chernov
- Organizer of the minisymposium “Recent advances in Galerkin methods based on polytopal meshes” within *GAMM 2019*, 18-22 February 2019, Vienna, Austria, in collaboration with S. Weißer

- Organizer of the minisymposium “Recent advancements in polygonal methods” within *WON-APDE 2019, Sixth Chilean workshop on numerical analysis of partial differential equation 2019*, 21-25 January 2019, Concepcion, Chile, in collaboration with L. Beirão da Veiga, D. Mora, and G. Vacca
- Local Organizer of “The 15th European Finite Element Fair”, 26-27 May 2017, Milan, Italy
- Organizer and Creator of MediolaNum 2017, miniworkshop for PhD students and Post Docs from the Universities of Milan (and its neighbourhood), 12 May 2017, Milan, Italy

Referee activity for Journals

- Advances in Computational Mathematics (Springer)
- Applied Mathematics Letters (Elsevier)
- Applied Mathematics and Computation (Elsevier)
- Applied Numerical Mathematics (Elsevier)
- Calcolo (Springer)
- Computers & Mathematics with Applications (Elsevier)
- Computer Methods in Applied Mechanics and Engineering (Elsevier)
- Computer Physics Communications (Elsevier)
- Communications in Computational Physics (Global Science Press)
- Communications in Nonlinear Science and Numerical Simulation (Elsevier)
- Engineering with Computers (Springer)
- ESAIM: Mathematical Modelling and Numerical Analysis (EDP Sciences)
- IMA Journal of Numerical Analysis (Oxford Academic)
- International Journal for Numerical Methods in Engineering (Wiley)
- International Journal of Computational Methods (World Scientific)
- International Journal of Numerical Analysis and Modeling (Global Science Press)
- Journal of Computational and Applied Mathematics (Elsevier)
- Journal of Computational Dynamics (American Institute of Mathematical Sciences)
- Journal of Computational Mathematics (Global Science Press)
- Journal of Computational Physics (Elsevier)
- Journal of Scientific Computing (Springer)
- Mathematical Models and Methods in Applied Sciences (World Scientific)
- Mathematics and Computers in Simulations (Elsevier)
- Mathematics of Computation (American Mathematical Society)
- Mathematics in Engineering (AIMS press)
- Numerical Algorithms (Springer)
- Numerical Mathematics: Theory, Methods and Applications (Global Science Press)

- Proceedings in Applied Mathematics and Mechanics (Wiley)
- Research in the Mathematical Sciences (Springer)
- Results in Applied Mathematics (Elsevier)
- SIAM Journal on Numerical Analysis (SIAM)
- SIAM Journal on Scientific Computing (SIAM)
- SN Partial Differential Equations and Applications (Springer)

Referee activity for PhD Thesis

- referee for the PhD Thesis of Alberto Artoni (2023, Politecnico of Milan)

Professional membership

- Member of the Italian Society for Applied and Industrial Society (SIMAI)
- Member of the Italian National Group for Scientific Computing (GNCS)

Milan, January 3, 2024

Lorenzo Mascotto