Chiara Piazzola

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https://sites.google.com/view/chiarapiazzola

Current position

from 02/2025 **Post-doc**,
Department of Mathematics, Technical University of Munich, Germany.
- Supervisors: Prof. Christian Kühn and Prof. Elisabeth Ullmann

Professional experience

02/2023–01/2025 **Post-doc - *Alexander von Humboldt fellowship***,
Department of Mathematics, Technical University of Munich, Germany.
- Supervisors: Prof. Christian Kühn and Prof. Elisabeth Ullmann

03/2020–01/2023 **Post-doc**,
Consiglio Nazionale delle Ricerche - Istituto di Matematica Applicata e Tecnologie Informatiche "E. Magenes" (CNR-IMATI), Pavia, Italy.
- Supervisor: Dr. Lorenzo Tamellini

10/2015–10/2019 **Ph.D. Student**,
Department of Mathematics, University of Innsbruck, Austria.
- Supervisor: Prof. Alexander Ostermann

Education

11/2015–10/2019 **Ph.D. in Mathematics**, *University of Innsbruck*, Austria.
Doctoral Programme *Computational Interdisciplinary Modeling*
- Thesis: *Dynamical low-rank approaches for differential equations*
- Main supervisor: Prof. Alexander Ostermann

12/2012–07/2015 **Master's Degree in Mathematics**, *University of Verona*, Italy.
- Thesis: *Splitting methods for the Schrödinger equation with vector potential*
- Supervisors: Prof. Marco Caliari, Prof. Alexander Ostermann

10/2009–12/2012 **Bachelor's Degree in Applied Mathematics**, *University of Verona*, Italy.
- Thesis: *Analysis of a third order method for the transport of discontinuous functions*
- Advisor: Prof. Marco Caliari

2004–2009 **High school diploma "Liceo scientifico"**, *Liceo A. Messedaglia, Verona*, Italy.

Grants & Awards

04/2024 **Bando Visiting Researchers - University of Verona, Italy**
Funding for two weeks research and lecturing visit ($\sim$ 600 EUR)

02/2023–01/2025 **Humboldt Research Fellowship for Postdocs - awarded by the Humboldt foundation**
Personal fellowship and coverage of research costs ($\sim$ 94000 EUR)

07/2022 **Finanziamento Giovani Ricercatori GNCS 2022 2023**
Conference travel grant (1000 EUR)

International projects

As Coordinating Postdoctoral Researcher

from 02/2025 **International Graduate School of Science and Engineering of the Technical University of Munich - International Project Team**
Project title: *Dynamical Systems Uncertainty Quantification for Climate Systems*
PI: N. Boers, C. Kuehn, and K. Lux-Gottschalk.
Team: TU of Munich, Eindhoven Univ. of Technology, and Ecole Polytechnique, l'X.

As participant

03/2020–01/2023 **MIUR-PRIN 2017 project**
Project title: *Numerical Analysis for Full and Reduced Order Methods for the efficient and accurate solution of complex systems governed by Partial Differential Equations*
PI: G. Rozza, Unit coordinator: L. Tamellini.

10/2015–09/2016 **FWF (Austrian Science Fund) project**
Solution of large-scale Lyapunov differential equations
PI: H. Mena.

Publications

Peer-reviewed articles

1. C. Kuehn, C. Piazzola and E. Ullmann.
Uncertainty quantification analysis of bifurcations of the Allen–Cahn equation with random coefficients.
Phys. D, 134390, 2024. DOI: 10.1016/j.physd.2024.134390

2. M. Chiappetta, C. Piazzola, L. Tamellini, A. Reali, F. Auricchio, and M. Carraturo.
Data-informed uncertainty quantification for laser-based powder bed fusion additive manufacturing.
Int. J. Numer. Methods Eng. 125, e7542, 2024. DOI: 10.1002/nme.7542

3. C. Piazzola, L. Tamellini.
Algorithm 1040: The Sparse Grids Matlab kit-a Matlab implementation of sparse grids for high-dimensional function approximation and uncertainty quantification.
ACM TOMS 50, 1–22, 2024. DOI: 10.1145/3630023

4. M. Chiappetta, C. Piazzola, M. Carraturo, L. Tamellini, A. Reali, and F. Auricchio.
Sparse-grids uncertainty quantification of part-scale additive manufacturing processes.
Int. J. Mech. Sci. 256, 108476, 2023. DOI:10.1016/j.ijmecsci.2023.108476

5. C. Piazzola, L. Tamellini, R. Pellegrini, R. Broglia, A. Serani, and M. Diez.
Comparing Multi-Index Stochastic Collocation and Multi-Fidelity Stochastic Radial Basis Functions for Forward Uncertainty Quantification of Ship Resistance.
Eng. Comp. 39, 2209–2237, 2023. DOI: 10.1007/s00366-021-01588-0

6. C. Piazzola, L. Tamellini, R. Tempone.
A note on tools for prediction under uncertainty and identifiability of SIR-like dynamical systems for epidemiology.
Math. Biosci., 332, 108514, 2021. DOI: 10.1016/j.mbs.2020.108514

7. L. Einkemmer, A. Ostermann, and C. Piazzola.
A low-rank projector-splitting integrator for the Vlasov–Maxwell equations with divergence correction.
J. Comput. Phys., 403, 109063, 2020. DOI: 10.1016/j.jcp.2019.109063

8. A. Ostermann, C. Piazzola, and H. Walach.
Convergence of a low-rank Lie–Trotter splitting for stiff matrix differential equations.
SIAM J. Numer. Anal. 57, 1947–1966, 2019. DOI: 10.1137/18M1177901

9. H. Mena, A. Ostermann, L.-M. Pfurtscheller, and C. Piazzola.
Numerical low-rank approximation of matrix differential equations.
J. Comput. Appl. Math. 340, 602–614, 2018. DOI: 10.1016/j.cam.2018.01.035

10. M. Caliari, A. Ostermann, and C. Piazzola.
A splitting approach for the magnetic Schrödinger equation.
J. Comput. Appl. Math. 316, 74–85, 2017. DOI: 10.1016/j.cam.2016.08.041

Conference proceedings

1. A. Viguerie, C. Piazzola, M.H. Islam, and E.U. Jacobson.
Input-output reduced order modeling for public health intervention evaluation.
WCCM-PANACM 2024, 21–26/07/2024, Vancouver, Canada. DOI: 10.23967/wccm.2024.060

2. C. Piazzola, L. Tamellini, R. Pellegrini, R. Broglia, A. Serani, and M. Diez.
Uncertainty Quantification of Ship Resistance via Multi-Index Stochastic Collocation and Radial Basis Function Surrogates: A Comparison.
Proceedings of the *AIAA Aviation Forum 2020*, 15–19/06/2020. DOI: 10.2514/6.2020-3160

3. L. Einkemmer, A. Ostermann, and C. Piazzola.
A dynamical low-rank integrator for the Vlasov–Maxwell equations.
Oberwolfach reports 16, 379–381, 2019. DOI: 10.4171/OWR/2019/5

Thesis

C. Piazzola.
Dynamical low-rank approaches for differential equations.
PhD Thesis, *University of Innsbruck*, 2019. Digital Library - University of Innsbruck.

Preprints

1. Y. Li, C. Zoccarato, C. Piazzola, L. Tamellini, G. Bru, C. Guardiola Albert, P. Teatini.
Characterizing Aquifer Properties through a Sparse Grid-Based Bayesian Framework and InSAR Measurements: A Basin-scale application to Alto Guadalentín, Spain.
Under revision, 2024. ESS Open Archive:10.22541/essoar.172373105.53381390/v1

Technical reports

2. C. Piazzola and L. Tamellini.
The Sparse Grids Matlab Kit user manual – v.23-5 Robert. `https://sites.google.com/view/sparse-grids-kit`

Published software

L. Tamellini, C. Piazzola, F. Nobile, B. Sprungk, G. Porta, D. Guignard, and F. Tesei.
Sparse Grids Matlab kit v.23-5 "Robert". `https://sites.google.com/view/sparse-grids-kit`, 2009–today. Available free of charge under BSD-2 Clause Licence.

Research stays

04/2025 **Oberwolfach Research Institute for Mathematics**, Germany, Workshop "Uncertainty Quantification", 20–25/04/2025, organized by O. Ernst, F. Nobile, C. Schillings, and T. Sullivan.

11/2024 **Eindhoven University of Technology**, The Netherlands, Centre for Analysis, Scientific Computing and Applications (CASA), Prof. K. Lux–Gottschalk.

04/2024 **University of Verona**, Italy, Department of Computer Science, Prof. M. Caliari.

09/2022 **University of Padova**, Italy, Department of Civil, Environmental and Architectural Engineering, group of Prof. P. Teatini.

04/2022 **Consiglio Nazionale delle Ricerche - Istituto di Ingegneria del Mare (CNR-INM)**, Roma, Italy, Dr. A. Serani and Dr. R. Pellegrini.

10/2021 **École Polytechnique Fédérale de Lausanne**, Switzerland, chair of Scientific Computing and Uncertainty Quantification, Prof. F. Nobile.

02/2019 **Oberwolfach Research Institute for Mathematics**, Germany, Workshop "Nonlinear Evolution Equations: Analysis and Numerics", 3–9/02/2019, organized by M. Hochbruck, H. Koch, S.-J. Oh, and A. Ostermann.

12/2018 **Banff International Research Station**, Banff, Canada, Workshop "Integrating the Integrators for Nonlinear Evolution Equations, from Analysis to Numerical Methods, High-Performance Computing and Applications", 3–7/12/2018, organized by A. Ostermann and M. Tokman.

06/2016 **University of Tübingen**, Germany, Department of Mathematics, group of Prof. C. Lubich.

03–06/2015 **University of Innsbruck**, Austria, Department of Mathematics, Prof. Alexander Ostermann.

Professional membership

- Society for Industrial and Applied mathematics (SIAM)
- SIAM Activity Group on Uncertainty Quantification (SIAG-UQ)
- Società Italiana di Matematica Applicata e Industriale (SIMAI)
- INdAM - Gruppo Nazionale Calcolo Scientifico (GNCS)
- Gesellschaft für angewandte Mathematik und Mechanik (GAMM)
- GAMM Activity Group on Uncertainty Quantification (GAMM-AG-UQ)

Research presentations

Invited talks in conferences and workshops

2025 **1.** *Data-Informed Uncertainty Quantification For Laser-Based Powder Bed Fusion Additive Manufacturing By Multi-Fidelity Surrogate Modeling*
Math 2 Product (M2P) - Emerging Technologies in Computational Science for Industry, Sustainability and Innovation, 4–6/06, Valencia, Spain (invited by M. Giacomini, A. Huerta).

2024 **2.** *Uncertainty quantification analysis of bifurcations of PDEs with random coefficients*
Workshop "Uncertainty Quantification for High-Dimensional Problems", 11-15/11, CWI Amsterdam, The Netherlands (invited by O. Mula, L. Scarabosio, W. Edeling, P. Coveney, and R. Dwight).

3. *Software Tutorial "The Sparse Grids Matlab kit"*
Workshop "Frontiers of UQ: Uncertainty Quantification for Aerospace Engineering", 24–27/09, TU Braunschweig, Germany (invited by U. Römer, P. Bekemeyer, S. Krumscheid, and L. Seelinger).

4. *Bifurcations of PDEs with random coefficients.*
GIMC-SIMAI young Workshop, 10–12/07, Napoli, Italy. MS: New trends in approximation (invited by F. Marchetti and E. Perracchione).

5. *Bifurcation analysis of PDEs with random coefficients.*
Workshop "Multiscale and Nonlocal Problems in PDEs", 20–21/06, Palermo, Italy. (invited by G. M. Coclite, G. Gambino, M. C. Lombardo, V. Sciacca).

6. *Bifurcation diagrams of PDEs with random coefficients.*
Workshop "Data-driven discovery and control of multi-scale interacting artificial agent systems", 11–12/04, Verona, Italy (invited by G. Albi).

7. *Bifurcation diagrams of PDEs with parametric uncertainty.*
SIAM Conference on Uncertainty Quantification, 27/02–1/03, Trieste, Italy. MS: Learning high-dimensional functions: approximation, sampling and algorithms (invited by S. Brugiapaglia, N. Dexter, L. Scarabosio, and W. van Harten).

2023 **8.** *Bifurcation diagrams of PDEs with parametric uncertainty.*
ENUMATH 2023, 4–8/09, Lisbon, Portugal. MS: Theoretical and numerical developments for high-dimensional parametric PDEs (invited by Y. Kazashi and T. Vanzan).

9. *Response-surface-based Bayesian inversion for engineering applications.*
7th ECCOMAS Young Investigators Conference - YIC 2023, 19–21/06, Porto, Portugal. MS: Scientific Machine Learning techniques for complex engineering systems (invited by A. Badías, F. Masi, B. Moya, M. Giacomini).

2022 **10.** *Comparing Multi-Fidelity Radial Basis Function and Multi-Index Stochastic Collocation surrogates for ship resistance uncertainty quantification.*
GIMC-SIMAI young Workshop, 29–30/09, Pavia, Italy. MS: Kernel methods for computational sciences and simulation (invited by F. Marchetti and G. Santin).

11. *Comparing two multi-fidelity methods for forward UQ of ship resistance.*
ECCOMAS 2022, European Congress on Computational Methods in Applied Sciences and Engineering, 5–9/06, Oslo, Norway. MS: Multi-fidelity methods for uncertainty quantification and optimization (invited by M. Diez, A. Gorodetsky, J. Jakeman, and L. Tamellini).

12. *Comparing Multi-Index Stochastic Collocation and Multi-Fidelity Stochastic Radial Basis Functions for Forward Uncertainty Quantification of Ship Resistance.*
SIAM Conference on Uncertainty Quantification, 12–15/04, online. MS: Recent Advances in Multifidelity UQ (invited by M. Eldred, G. Geraci, T. Portone, and A. Gorodetsky).

2021 **13.** *A Comparison of Two Multi-Fidelity Computational Approaches for the Uncertainty Quantification of Ship Performance.*
Congresso Nazionale SIMAI 2020+2021, 30/08–3/09, Parma, Italy. MS: Trending Topics in Uncertainty Quantification (invited by F. Bonizzoni, A. Manzoni, and L. Tamellini).

14. *A comparison of Multi-Index Stochastic Collocation and Stochastic Radial Basis Function Surrogates for Ship Performance Assessment.*
VI ECCOMAS Young Investigators Conference - YIC 2021, 7–9/07, online. MS: Uncertainty Quantification of differential equations with random parameters: methods and applications (invited by C. Schillings, B. Sprungk, and L. Tamellini).

15. *The Multi-Index Stochastic Collocation method for PDEs with random coefficients.*
GAMM Young Academics Workshop 2021, 25–26/03, online (invited by R. Altmann).

16. *The Multi-index stochastic Collocation method for PDEs with random coefficients.*
SIAM Conference on Computational Science and Engineering, 1–5/03, online. MS: Dynamical Low-rank and other complexity reduction techniques for high dimensional PDEs (invited by L. Einkemmer and R. McClarren).

2019 **17.** *Dynamical low-rank integrators for PDEs.*
SciCADE, International Conference on Scientific Computation and Differential Equations, 22–26/07, Innsbruck, Austria. MS: Low-rank methods for matrix- and operator-valued differential equations (invited by T. Stillfjord and H. Mena).

18. *A low-rank integrator for the Vlasov–Maxwell equations.*
GAMM Workshop 2019 - Young Academics Workshop, 24–30/03, Sion, Switzerland (invited by R. Altmann and R. Maier).

19. *A dynamical low-rank integrator for the Vlasov–Maxwell equations.*
Workshop "Nonlinear Evolution Equations: Analysis and Numerics", 3–9/02, Oberwolfach Research Institute, Germany (invited by M. Hochbruck, H. Koch, S.-J. Oh, and A. Ostermann).

2018 **20.** *Dynamical low-rank integrator for high-dimensional differential equations.*
Workshop "Integrating the Integrators for Nonlinear Evolution Equations, from Analysis to Numerical Methods, High-Performance Computing and Applications", 3–7/12, Banff International Research Station, Canada (invited by A. Ostermann and M. Tokman).

21. *A low-rank integrator for semilinear stiff matrix differential equations.*
20th European Congress on Mathematics for Industry, 18–22/06, Budapest, Hungary.
MS: Differential Equations in Numerical Modelling (invited by P. Csomós).

2017 **22.** *Low-rank solution of matrix differential equations.*
SciCADE, International Conference on Scientific Computation and Differential Equations, 11–15/09, Bath, UK. MS: Tensor approximations of multi-dimensional PDEs (invited by B. Khoromskij and S. Dolgov).

Invited seminar talks

2024 **1.** *Uncertainty quantification analysis of bifurcations of PDEs with random coefficients.*
Oberseminar "Numerical Methods in CSE" - Technical University of Munich, 31/10, Munich, Germany (invited by B. Wohlmuth and M. Muhr).

2. *Uncertainty quantification analysis of bifurcations of PDEs with random coefficients.*
Oberseminar "Data Science" - Technical University of Munich, 28/10, Munich, Germany (invited by F. Krahmer and A. Lupoli).

2022 **3.** *Uncertainty quantification and identifiability of ODE-based systems.*
CNR-INM, 5/04, Roma, Italy (invited by R. Pellegrini and A. Serani).

2021 **4.** *Dynamical low-rank approaches for time-dependent PDEs.*
MATHICSE seminar - EPFL, 5/10, Lausanne, Switzerland (invited by F. Nobile).

5. *Uncertainty quantification and identifiability of SIR-like dynamical systems.*
Oberseminar Dynamics - Technical University of Munich, 14/09, online (invited by C. Kuehn).

6. *Multi-fidelity computational approaches for the UQ of ship performance.*
Doctoral College Computational Interdisciplinary Modeling and Doctoral Program Dynamics of Complex Continua summer school of the Univ. Innsbruck, 26–30/07, Obergurgl, Austria (invited by A. Ostermann).

7. *Comparing Multi-Index Stochastic Collocation and Radial Basis Function Surrogates for Ship Resistance UQ.*
UQ hybrid seminar - RWTH Aachen University, Germany, 9/02, online (invited by R. Tempone).

Contributed talks

2025 **1.** *Equilibria and bifurcations of reaction-diffusion PDEs with random coefficients.*
Workshop "Hidden structures in dynamical systems, optimization, and machine learning", 19–23/05, GSSI - L'Aquila, Italy.

2. *Uncertainty quantification analysis of bifurcations of PDEs with random coefficients.*
16th Conference on Dynamical Systems Applied to Biology and Natural Sciences (DSABNS), 20–24/01, Naples, Italy.

2024 **3.** *Bifurcation analysis of the Allen–Cahn equation with random coefficients.*
European Nonlinear Dynamics Conference, 22–26/07, Delft, The Netherlands.

4. *Bifurcation diagrams of PDEs with parametric uncertainty.*
GAMM Annual Meeting, 18–22/03, Magdeburg, Germany.

2023 **5.** *Uncertainty quantification and identifiability of ODE-based systems.*
SIAM Conference on Applications of Dynamical Systems, 14–18/05, Portland, Oregon, U.S.

2022 **6.** *The Multi-Index Stochastic Collocation Method for surrogate modeling and uncertainty quantification of parametric PDEs.*
SciCADE, International Conference on Scientific Computation and Differential Equations, 25–29/07, Reykjavik, Iceland.

2020 **7.** *Comparing Multi-Index Stochastic Collocation and Radial Basis Function Surrogates for Ship Resistance Uncertainty Quantification.*
UQ@DIITET/CNR Workshop, 2/10, online.

2019 **8.** *A dynamic low-rank integrator for the Vlasov–Maxwell equations.*
International Congress on Industrial and Applied Mathematics, 15–19/07, Valencia, Spain.

2018 **9.** *A low-rank splitting integrator for matrix differential equations.*
Conference on the Numerical Solution of Differential and Differential-Algebraic Equations, 3–7/09, Halle, Germany.

10. *A splitting approach for the magnetic Schrödinger equation.*
Conference on Mathematics for Wave Phenomena, 23–27/07, Karlsruhe, Germany.

11. *A low-rank integrator for semilinear stiff matrix differential equations.*
Austrian Numerical Analysis Day, 3–4/05, Klagenfurt, Austria.

2016 **12.** *Solution of large-scale Lyapunov differential equations.*
9th Workshop Numerical Analysis of Evolution Equations, 8–11/11, Innsbruck, Austria.

13. *Efficient simulation of El-Niño.*
7th European Congress of Mathematics, 18–22/07, Berlin, Germany.

Posters

2022 **1.** *Uncertainty quantification and identifiability of SIR-like dynamical systems*
KAUST Workshop on Stochastic numerics and Statistical Learning, 15/05–28/05, online.

Organization of conferences and minisymposia

Local organizing committee

SciCADE, International Conference on Scientific Computation and Differential Equations, July 22–26, 2019, Innsbruck, Austria.

Minisymposia

2025 **1.** *Surrogates for complex parametric and time-dependent systems: bridging the gap between methods and applications*, SIMAI 2025 - Congress of the Italian Society of Applied and Industrial Mathematics, 1–5/09, Trieste, Italy (with M. Giacomini and L. Tamellini).

2024 **2.** *Quantifying Parameter Uncertainty in Random Differential Equations*, SIAM Conference on Uncertainty Quantification, 27/02–1/03, Trieste, Italy (with K. Lux, 12 speakers).

2023 **3.** *Uncertainty quantification of differential equations with random parameters: methods and applications*, 7th ECCOMAS Young Investigators Conference - YIC 2023, 19–21/06, Porto, Portugal (with B. Sprungk and L. Tamellini, 14 speakers).

4. *Uncertainty Quantification for Random Differential Equations*, SIAM Conference on Applications of Dynamical Systems, 14–18/05, Portland, Oregon, U.S. (with K. Lux, 4 speakers).

2022 **5.** *Enabling Technologies in Uncertainty Quantification and Optimization in Real-World Applications*, GIMC-SIMAI young Workshop, 29–30/09, Pavia, Italy (with R. Pellegrini, 10 speakers).

Referee activity

- SIAM/ASA Journal on Uncertainty Quantification
- SIAM Journal on Scientific Computing
- Journal of Computational and Applied Mathematics
- Journal of Computational Physics
- Journal of Mathematical Biology
- International Journal for Uncertainty Quantification
- International Journal on Geomathematics
- Engineering Computations

Teaching

PhD courses (25 hours)

2024 **1.** *Numerical methods for Uncertainty Quantification*, PhD programme in Mathematics, Univ. Trento and Verona, 04/2024, Verona, Italy, 12 hours - lecturing.

2021 **2.** *Uncertainty Quantification of Partial and Ordinary Differential Equations with random coefficients*, Pavia - Milano Bicocca - INdAM Ph.D. program in Mathematics, 12/04–31/05/2021, 13 hours - teaching assistance.

Master courses (70 hours)

2023 **1.** *Multilevel Monte Carlo Methods for Uncertainty Quantification* (seminar), Technical Univ. Munich - Master's Degree in Mathematics, winter term 2023/24, joint with E. Ullmann, 3 ECTS, 16 hours - student supervision.

2. *Numerical methods for Uncertainty Quantification*, Technical Univ. Munich - Master's degree in Mathematics, summer term 2023, 4 hours - guest lecturing.

2018 **3.** *Splitting Methods and Geometric Integration*, Univ. Innsbruck - Master's degree in Mathematics, summer term 2018, joint with A. Ostermann, 22 hours - lecturing.

2017 **4.** *Introduction to Higher Numerical Mathematics* (seminar), Univ. Innsbruck - Master's degree in Technical Mathematics, winter term 2017/18, 3.5 ECTS, 28 hours - course design and student supervision.

Bachelor courses (114 hours)

2019 **1.** *Linear Algebra and Analytic Geometry* (seminar), Univ. Innsbruck - Bachelor's degree in Technical Mathematics, summer term 2019, 4 ECTS, 28 hours - course design, student supervision, and examination.

2018 **2.** *Linear Algebra* (seminar), Univ. Innsbruck - Bachelor's degree in Physics, winter term 2018/19, 2.5 ECTS, 30 hours - course design, student supervision, and examination.

3. *Linear Algebra* (seminar), Univ. Innsbruck - Bachelor's degree in Atmosphere Science, winter term 2018/19, 2.5 ECTS, 30 hours - course design, student supervision, and examination.

2017 **4.** *Analysis 2* (seminar), Univ. Innsbruck - Bachelor's degree in Physics, summer term 2017, 4 ECTS, 26 hours - course design, student supervision, and examination.

Student supervision (7 students)

Master's Thesis L. Beer - co-supervision with C. Kuehn (ongoing, Tech. Univ. Munich).

Master's Thesis L. Marschall - co-supervision with E. Ullmann (ongoing, Tech. Univ. Munich).

Master's Thesis F. Chamanian - co-supervision with E. Ullmann (ongoing, Tech. Univ. Munich).

Master's Thesis J. Stolz - co-supervision with E. Ullmann (ongoing, Tech. Univ. Munich).

Bachelor's Thesis M. Wagner - co-supervision with E. Ullmann (2024, Tech. Univ. Munich).

Research Internship of M. Wagner - co-supervision with E. Ullmann (2024, Tech. Univ. Munich).

Master's Thesis of M. Chiappetta - co-supervision with L. Tamellini, M. Carraturo, F. Auricchio (2022, Univ. Pavia).

Computer skills

Windows, Linux

MATLAB, C/C++

LaTeX, Office, GIT, SVN

Languages

Italian: mother-tongue, English: advanced, German: intermediate

June 24, 2025