

Riccardo Marin, Ph.D.

Contact:

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- Germany

Personal details:

- Place of birth: *Verona, Italy*
- Date of birth: *24 September 1991*
- Citizenship: *Italian*
- Native Language: *Italian*
- Spoken Languages: *English (fluent), German (basic)*

Curriculum Vitae - **December 2, 2025**

Research Interests

- 3D Geometry Processing, Shape Matching and Registration, Virtual Humans, Spectral shape Analysis, Geometric Deep Learning, Virtual Reality, Artificial Intelligence, Computer Graphics, Computer Vision.

Research Profile

I am a researcher and Professor at the [Computer Vision Group](#) of the Technical University of Munich (TUM), led by Prof. Daniel Cremers. Previously, I was a postdoc funded by a Humboldt and a Marie Skłodowska-Curie Post-Doctoral Fellowships at the University of Tübingen in the [Real Virtual Humans](#) group, and a post-doc at Sapienza University of Rome in the [GLADIA](#) group. I followed the University of Verona's Ph.D program in Computer Science, collecting a Best PhD Thesis award by EG-Italy. I work on Spectral Shape Analysis, Shape Matching Geometric Deep Learning, and Virtual Humans. My work appeared in top-level conferences and journals (NeurIPS, IJCV, CVPR, ICCV, ECCV, CGF) and collected prestigious awards (Best Student Paper 3DV20, Top Cited CGF 2020-21, Best paper at NeurReps Workshop). I served as a conference organizer (RCD Committee at SIGGRAPH, Volunteer Chair at 3DV18 and STAG21), as Associate Editor (AI Communications Journal), as an Area Chair (NeurIPS), and as a reviewer for several journals and conferences (PAMI, TCVG, CVPR, NeurIPS, ICLR, ICML), obtaining six Outstanding Reviewer Awards. I am a member of the European Lab for Learning and Intelligent Systems (ELLIS), and I got the Italian professorship habilitations (ASN) for Computer Science (01/B1) and Information Engineering (09/H1).

Academic Appointments

- **Technical University of Munich, Germany - Machine Learning Center Munich** 14/07/2025 – present
Interim Professor (Vertretungsprofessor - W2);
Professorship for Machine Learning for Robotics
 - **Technical University of Munich, Germany - Machine Learning Center Munich** 01/11/2024 – 13/07/2025
Post-doctoral researcher;
Advisor: Prof. Daniel Cremers
 - **University of Tübingen, Germany - Computer Science department** 01/08/2023 – 31/07/2024
European (Post-doctoral) researcher, MSCA-PF Fellowship (12 months);
Advisor: Prof. Gerard Pons-Moll
 - **University of Tübingen, Germany - Computer Science department** 01/07/2022 – 31/06/2023
Post-Doctoral researcher, Humboldt Foundation Fellowship (12 months);
Advisor: Prof. Gerard Pons-Moll
 - **Sapienza University of Rome, Italy - Computer Science department** 04/2021 – 04/2023
Contract/Adjunct Professor
Algorithm Design Course (Exerciser and member of the Exam Committee)
 - **Sapienza University of Rome, Italy - Computer Science department** 12/2020 – 06/2022
Post-Doctoral researcher;
Advisor: Prof. Emanuele Rodolà
 - **École Polytechnique (FRA), France - Computer Science department** 09/2019 – 03/2020
Visiting Student;
Advisor: Prof. Maks Ovsjanikov
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Fellowships and Memberships

- **Munich Center for Machine Learning** 8/09/2025 – present
Associate
 - **CVPL** 1/08/2025 – present
Member
 - **ELLIS - Munich Unit** 15/08/2025 – present
Faculty
 - **ELLIS - European Lab for Learning and Intelligent Systems** 15/05/2023 – present
Member
 - **Marie Curie Alumni** 2023 – present
Member
 - **Marie Skłodowska-Curie Action HORIZON 2021-2027** 2023 – 2024
Postdoctoral Research Fellow
 - **Alexander von Humboldt Foundation** 2022 – 2023
Postdoctoral Research Fellow
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Education

- **ICVSS Summer School**, Italy, University of Catania 07/07/2025 – 11/07/2025
Summer School on Computer Vision for Spatial Intelligence
 - **University of Verona**, Italy – Computer Science department 1/10/2017 – 10/06/2021
Ph.D in Computer Science *with the additional label of Doctor Europeaus.*
(with MIUR scholarship; concluded without extension requests)
Thesis: *Merging, extending and learning representations for 3D shape matching.*
Advisor: Umberto Castellani
Examiners: Alex Bronstein (Technion), Tobias Schreck (Graz University), Stefanie Wuhler (INRIA Grenoble)
Reviewers: Alex Bronstein (Technion), Stefanie Wuhler (INRIA Grenoble)
Awarded Best PhD Thesis in Computer Graphics by Italian Chapter of Eurographics (EG-Italy)
 - **Polytechnic University of Milan**, Italy – Computer Science department 07/2020
Attendance at Graduate School on Machine Learning for Non-Matrix Data
 - **University of Milan**, Italy – Computer Science department 05/2019
Attendance at Graduate School at Symposium on Geometry Processing 2019 (SGP).
 - **University of Brescia**, Italy – Computer Science department 10/2018
Attendance at International School on Graphics and Geometry Processing for Digital Manufacturing (EGIT) at Italian Chapter of Eurographics (STAG).
 - **Alberta University**, coursera.org 01/2021 – 04/2021
Reinforcement Learning Specialization; held by Prof. Marta White and Prof. Adam White
[Certificate](#)
 - **Stanford University**, coursera.org 08/2017 – 07/2018
Deep Learning Specialization; held by Prof. Andrew Ng
[Certificate](#)
 - **University of Verona**, Italy 2013 – 2017
Laurea Specialistica Degree (2 years degree, M.S. equivalent) in Computer Science and Engineering.
Thesis: *Augmented Reality for training of pretend play in children with Autism Spectrum Disorder.*
Grade: 103/110
 - **University of Verona**, Italy 2010 – 2013
Laurea Degree (3 years degree, B.S. equivalent) in Computer Science.
Grade: 101/110
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Professional Activities / Academic Service

- **Associate Editor** 06/2024-present
AI Communications, journal on Artificial Intelligence.
- **Session Chair** 2023, 2024
IMPRS-IS Interview Symposium at Max Planck Intelligent-Systems, *Tübingen (Germany)*.
- **Volunteers Chair** 12/2021
STAG 2021, Smart Tools and Applications in Graphics, *Roma, Italy*.
- **Committee Member** 08/2021
SIGGRAPH Research Career Development Committee, *Tokyo, Japan (remotely)*.
- **Invited Mentor** 05/2021
International Conference on Learning Representations (ICLR) 2021, *Virtual*.
- **SHREC19 Challenge Track Organizer** 02/2019
Eurographics 2019 Workshop on 3D Object Retrieval, *Genova, Italy*.
Track: Correspondence in Humans with Different Connectivity.
[Web site](#)
- **Volunteers Chair** 09/2018
3DV 2018, International Conference on 3D Vision, *Verona, Italy*.
- **Volunteer Student**
ICCV 2017, *Venice, Italy*.
Eurographics 2019, *Venice, Italy*.
- **Meta-Reviewer/Area Chair (Conferences)**
 - The Thirty-Ninth Annual Conference on Neural Information Processing Systems (NeurIPS), 2025
 - International Conference on Image Analysis and Processing (ICIAP); 2025
 - UniReps (NeurIPS Workshop); 2024
 - ICLR (TinyPapers Track); 2023
- **Reviewer (Conferences)**
 - BMVC; 2018
 - 3DV; 2019 - 2025
 - GMDL; 2019
 - NeurIPS; 2020 - 2024
 - ICLR; 2021 - 2026
 - AAAI; 2021
 - CVPR; 2021 - 2026
 - ICML; 2021 - 2024
 - 3DOR; 2021, 2022, 2025
 - MVA; 2021
 - ICCV; 2021, 2023, 2025
 - Siggraph ASIA; 2021, 2023
 - Siggraph; 2024
 - EuroGraphics; 2022
 - WACV; 2022; 2026
 - ECCV; 2022, 2024
 - ICIAP; 2023
 - TinyPapers (ICLR Track); 2023, 2024
 - LoG; 2023
 - ACL Rolling Review; 2024
 - UniReps; 2023
 - Pacific Graphics; 2025
 - Behavioral ML (NeurIPS workshop); 2024
 - STAG; 2025

- **Reviewer (Journals)**
 - IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI)
 - IEEE Transactions on Computer Visualization and Computer Graphics (TVCG)
 - International Journal of Industrial Ergonomics
 - Computer and Graphics Journal (C&G)
 - International Journal of Computer Vision (IJCV)
 - IEEE/CAA Journal of Automatica Sinica
 - Journal of Imaging
 - IEEE Transactions on Image Processing
 - IEEE Transactions on Circuits and Systems for Video Technology
 - Neural Processing Letters
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Teaching

University Courses

- **Computer Vision 3: Detection, Segmentation, Tracking** 01/10/2025 - 01/04/2026
Lecturer - Theory; Full responsibility of the theoretical part of the course, M.Sc. in Computer Science, Technical University of Munich. Teaching responsibility: 22 hours, Enrollment: ~320 students, *Munich, Germany*.
- **3D Shape Analysis and Virtual Humans Applications (Master Practical Course)** 10/2025 - 4/2026
Lecturer and organizer; TUM School of Computation, Information and Technology. Teaching responsibility: ~10 hours, *Munich, Germany*.
- **3D Shape Analysis and Virtual Humans Applications (Master Practical Course)** 04/2025 - 10/2025
Lecturer and organizer; TUM School of Computation, Information and Technology. Teaching responsibility: ~10 hours, *Munich, Germany*.
- **3D Shape Matching and Application in Computer Vision (Master Seminar)** 10/2024 - 01/2025
Lecturer and organizer; TUM School of Computation, Information and Technology. Teaching responsibility: ~4 hours, Attendance: ~10, *Munich, Germany*.
- **Virtual Humans** 10/2023 - 02/2024
Teaching Assistant; Exerciser, M.Sc. in Machine Learning, University of Tuebingen. Teaching responsibility: 10 hours, Attendance: ~30, *Tuebingen, Germany*.
- **Numerical methods for Computer Science** 02/2022 - 04/2023
Teaching Assistant; Lecturer and Exerciser, M.Sc. in Computer Science, Sapienza University of Rome. Teaching responsibility: 20 hours, Enrollment: ~10 students, *Roma, Italy*.
- **Algorithm Design** 02/2022 - 04/2023
Adjunct Professor; Exerciser and member of the Exam Committee, M.Sc. in Computer Science, Sapienza University of Rome. Teaching responsibility: 24 hours, Enrollment: ~100 students, *Roma, Italy*.
- **Algorithm Design** 04/2021 - 04/2022
Adjunct Professor; Exerciser and member of the Exam Committee, M.Sc. in Computer Science, Sapienza University of Rome. Teaching responsibility: 24 hours, Enrollment: ~100 students, *Roma, Italy*.
- **Pattern Recognition** 03/2019 – 06/2019
Tutor student, Master degree in Computer Science and Computer Engineering, University of Verona. *Verona, Italy*.
- **Image Processing II** 11/2018 – 02/2019
Tutor student, Master degree in Computer Science and Computer Engineering, University of Verona. *Verona, Italy*.
- **Introduction to Programming** 03/2018 – 06/2018
Tutor student, Bachelor degree in Bioinformatics, University of Verona. *Verona, Italy*.

Doctoral Schools

- **Virtual Humans Under a Shape Analysis Spotlight** 25/11/2025
Lecturer; Doctoral School, STAG Conference. Teaching responsibility: 4 hours, Enrollment: ~20 students, *Genoa, Italy*.

- **Geometry processing and machine learning for geometric data** 23/11/2023 - 28/11/2023
Lecturer and organizer; Doctoral School at Bicocca University of Milan.
Teaching responsibility: 12 hours, *Milan, Italy.*
- **Functional Correspondence from Discrete Geometry to Learning** 01/07/2023
Lecturer and organizer; at the Graduate School of the Symposium on Geometry Processing 2023.
Teaching responsibility: 1 hour, *Genoa, Italy.*
- **Spectral Shape Analysis for 3D matching** 06/2020
Lecturer and Organizer, Ph.D. School in Computer Science, University of Verona, Algorithm Design. Teaching responsibility: 6 hours, Enrollment: ~20 students, *Verona, Italy.*

Tutorials

- **Tutorial on 3D Shape Analysis for Virtual Humans** 16/09/2025
Lecturer and organizer; ICIAP 2025.
Teaching responsibility: ~4 hours, *Rome, Italy.*
- **Tutorial on Inverse Computational Spectral Geometry** 23/05/2022
Lecturer and organizer; at ICIAP 2021.
Length: 4 hours, Attendance: ~30, *Lecce, Italy.*
- **Tutorial on Inverse Computational Spectral Geometry** 25/04/2022
Lecturer and organizer; at EuroGraphics 2022.
Length: 4 hours, Attendance: ~180, *Reims, France.*
- **Tutorial on Spectral Geometry in Practice** 30/11/2021
Lecturer and organizer; at the International Conference on 3D Vision 2021.
Length: 4 hours, Attendance: ~250, *London, United Kingdom.*

Others

- **Geometric Deep Learning for Virtual Humans** 20-21/11/2025
Lecturer; Short Course, Ms.C. in Artificial Intelligence, University of Verona. Teaching responsibility: 6 hours, Attendance: ~20 students, *Verona, Italy.*
- **Course on Data Science for High-School** 01/02/2021 - 07/02/2021
Teacher and organizer; School-work learning programme with CD: 50/50 association at the High School Morgagni.
Teaching responsibility: 40 hours, Attendance: 26, *Rome, Italy.*

Honors and Awards

- **Italian Habilitation as Associate Professor in Computer Science.** 07/2024
01/B1
- **Italian Habilitation as Associate Professor in Information Processing Systems** 07/2024
09/H1
- **Best paper in Topology and Graphs Category** 16/12/2023
at NeurIPS 2023 Workshop on Symmetry and Geometry in Neural Representations (NeurReps);
3 awarded papers out of 65.
Paper title: *Spectral Maps for Learning on Subgraphs*
- **Outstanding Reviewer Award** 2023
at The Conference on Neural Information Processing Systems (NeurIPS 2023)
- **Matteo Dellepiane Award for Best PhD Thesis in Computer Graphics** 18/11/2022
at the Italian Chapter of EuroGraphics (EG-Italy)
- **Outstanding Reviewer Award** 2022
at The Conference on Neural Information Processing Systems (NeurIPS 2022)
- **Outstanding Reviewer Award** 2022
at The IEEE / CVF Computer Vision and Pattern Recognition Conference (CVPR 2022)
- **Top Cited Article 2020-2021 Award** 2022
Computer Graphics Forum Journal
Paper title: *FARM: Functional Automatic Registration Method for 3D Human Bodies*

- **Outstanding Reviewer Award** 2021
at the International Conference on 3D Vision (3DV 2021)
- **Outstanding Reviewer Award** 2021
at the International Conference on Learning Representations (ICLR 2021)
- **Best Student Paper Award** 2020
at the International Conference on 3D Vision (3DV 2020); (3 best papers awards out of 123 papers)
Paper title: *Instant recovery of shape from spectrum via latent space connections*
- **Outstanding Reviewer Award** 2020
at the International Conference on 3D Vision (3DV 2020)
- **Best Poster in Computer Science** 07/05/2018
at the University of Verona's PhD Day Event
Poster title: *FARM: Functional Automatic Registration Method for 3D Human Bodies*

Funding and Grants

- **Marie Skłodowska-Curie Post-Doctoral Fellowship (MSCA-2022-PF-EF)** 01/08/2023 - 01/08/2024
Project: CoMBo - Correspondence through Millions Bodies: a large-scale, functional, and implicit data-driven method for 3D Humans matching (ID: 101109330)
Funding: European Commission HORIZON 2021-2027. (~87K€)
Role: **Fellowship Holder (Researcher)**
Host: Prof. G. Pons-Moll; 12 months
- **Alexander von Humboldt Postdoctoral Fellowship** 01/07/2022 - 30/06/2023
Project: Functional shape matching for implicit representations
Funding: Alexander von Humboldt Foundation (~36K€)
Role: **Fellowship Holder**
Host: Prof. G. Pons-Moll; 12 months
- **Sapienza Research Starting Grant 2022 - Type 2** 24/10/2022
Project: "Functional shape matching for implicit representations"
Funding: Sapienza University of Rome (~2.3K€)
Role: **Principal Investigator**; 12 months
- **Imminent Research Grant** 05/04/2022
Project: "Incremental Parallel Inference for Machine Translation"
Funding: Translated s.r.l. (20K€)
Role: **Co-PI**; 12 months
- **Funds for international mobility - long periods** 09/2019 - 03/2020
Funding: University of Verona (3.5K€); 6 months
- **MIUR Scholarship** for pursuing a PhD in Computer Science at University of Verona. 2017
Funding: ~45k €, 3 years

International Research Visits

- **University of Tübingen (DE)** 02-04/05/2022
Research visit (~3 days); collaborator *Prof. Gerard Pons-Moll*.
- **École polytechnique (FRA)** 05/09/2019 - 13/03/2020
Research visit (~6 months); collaborator *Prof. Maks Ovsjanikov*.
- **University College London (UK)** 23-28/06/2018
Research visit (~1 week); collaborator *Prof. Niloy Mitra*.

Invited Talks and Seminars

- **Generative Geometrical Learning: Injecting structure in 3D and 4D Generation** 19/09/2025
University of Verona; hosted by *Prof. U. Castellani*
- **Generative Geometrical Learning: Injecting structure in 3D and 4D Generation** 17/09/2025
University of Parma; hosted by *Dr. P. Musoni*

- *From Points to Avatars: Processing 3D Data at the time of Metaverse* 30/05/2025
DIBRIS, University of Genoa; hosted by DOCS Computer Science Workshop
- *Learning and Modeling 3D Virtual Human Interaction* 28/05/2025
DIBRIS, University of Genoa; hosted by Dr. C. Mancinelli
- *The Geometry of Learning for Learning Geometry* 26/05/2025
University of Milano Bicocca; hosted by Prof. S. Melzi
- *The Real Virtual Human Research* 17/10/2024
Carl Zeiss Foundation Symposium, Stuttgart
- *Tailoring the Vision: How Large Models Fit 3D Humans in Clothing* 30/09/2024
Invited speaker at FashionAI Workshop, ECCV 2024
- *Connecting 3D Virtual Humans: from geometry to interacting avatars* 25/04/2024
TUM Vision Group; hosted by Prof. D. Cremers
- *Connecting the (Digital) Dots: Studying relations in 3D geometries for human virtualization* 07/02/2024
University of Tuebingen, College of Fellows, Humboldt Lectures
- *Connecting the (Digital) Dots: Learning Non-Rigid Correspondence to Match 3D Humans* 26/01/2024
University of Tuebingen, AI Center, 10-minutes talk seminars
- *Connecting 3D Virtual Humans: from geometry to interacting avatars* 02/11/2023
University of Turin; hosted by Prof. A. Fiandrotti
- *Toward Relational Virtual Humans* 29/06/2023
Bicocca, University of Milan; hosted by Dr. S. Melzi
- *Toward Relational Virtual Humans* 27/06/2023
University of Verona; hosted by Prof. U. Castellani
- *The researcher's job* 24/03/2023
Istituto di Istruzione Superiore Evangelista Torricelli, Milano
- *Merging, extending and learning representations for 3D shape matching* 18/11/2022
Smart Tools and Applications in Graphics (STAG), Cagliari
- *Data-driven spectral analysis for practical geometry processing* 05/05/2022
Pi School of AI, Rome
- *Data-driven spectral analysis for practical geometry processing* 03/05/2022
Tubingen University; hosted by Prof. G. Pons-Moll.
- *Data-driven spectral analysis for practical geometry processing* 31/03/2022
Universitat Pompeu Fabra (UPF); hosted by Prof. C. Ballester.
- *Digital Humans: minds and bodies* 11/02/2022
The Sapienza School for Advanced Studies; hosted by Prof. E. Rodolà.
- *When the sun goes down: a story on telling stories* 12/11/2021
DiDo Workshop, Sapienza University of Rome
- *Functional Matching* 11/11/2021
DiDo Workshop, Sapienza University of Rome
- *Digital Humans* 19/04/2021
OpenDI, Sapienza University of Rome
- *Functional Maps and Non-Rigid Registration: A crash course* 29/03/2021
Inria Strasbourg; hosted by Prof. S. Cotin.
- *Digital Humans: minds and bodies* 02/03/2021
The Sapienza School for Advanced Studies; hosted by Prof. E. Rodolà.

- *Correspondence Learning via Linearly-invariant Embedding* 20/11/2020
Sapienza University of Rome; hosted by Prof. E. Rodolà.
- *Functional template based matching for human bodies.* 04/03/2020
École polytechnique; hosted by Prof. P. Memari.
- *Instant recovery of shape from spectrum via latent space connections* 25/11/2020
International Conference on 3D Vision (3DV), 2020
- *FARM: Functional Automatic Registration Method for 3D Human Bodies.* 29/05/2019
Eurographics (EG), 2020
- *POP: full Parametric modelling estimation for Occluded People.* 05/05/2019
The 12th Eurographics Workshop on 3D Object Retrieval (3DOR), 2019
- *Introduction to Spectral Graph Theory: from Fourier to 3D models.* 18,19,20/12/2018
University of Verona; hosted by Prof. G. Menegaz.

Participation in Research projects

- *Fair Geometry: Toward Algorithmic Debiasing in Geometric Deep Learning.* 2021 - 2024
Role: Researcher.
Funding: Google Research
Coordinator: Prof. E. Rodolà ("La Sapienza" University of Rome).
- *SPECGEO - Spectral geometric methods in practice.* 2020 - 2024
Role: Researcher (leading the work package WP4 - Deep learning applications);
Funding: ERC Starting Grant (Horizon2020).
Coordinator: Prof. E. Rodolà ("La Sapienza" University of Rome).
- *Nuovi approcci di geometric deep learning ed applicazioni cross-dominio.*
New geometric deep learning approaches and cross-domain applications. 01/12/2021 - 30/06/2022
Role: PostDoc Researcher.
Funding: ERC Starting Grant SPECGEO (41K)
Coordinator: Prof. E. Rodolà ("La Sapienza" University of Rome).
- *Metodi di predizione strutturata tramite geometric deep learning e nuove rappresentazioni spettrali.*
New methods and spectral representations for structured prediction via geometric deep learning. 01/12/2020 - 01/12/2021
Role: PostDoc Researcher.
Funding: ERC Starting Grant SPECGEO (25K)
Coordinator: Prof. E. Rodolà ("La Sapienza" University of Rome).
- *EXPROTEA - Exploring Relations in Structured Data with Functional Maps.* 2019 - 2022
Role: Researcher (External Collaborator);
Funding: ERC Starting Grant (Horizon2020).
Coordinator: Prof. M. Ovsjanikov (École Polytechnique).

Supervising and mentoring activities

- *Graduate Master Students (official co-advisor)*
 - Benedikt Mackay Klotz, 2026, (Munich, Thesis)
 - Alexander Brovko, 2026, (Munich, Thesis)
 - Mattia Masiero, 2025, (Tuebingen, Thesis)
 - Francesco Palandra, 2024, (Rome, Thesis)
 - Andrea Sanchietti, 2024, (Rome, Thesis)
 - Nikita Larichev, 2022, (Siegen, Thesis)
 - Luis Mautone, 2022, (Rome, Thesis)

- Valentino Maiorca, 2021 (Rome, Thesis)
- Silvio Severino, 2021 (Rome, Thesis)
- Marco Pegoraro, 2021 (Verona, Thesis) - **Awarded Best Thesis at the Italian Chapter of Eurographics**
- Filippo Bardon, 2019 (Verona, Thesis)

- **Research Assistants and Projects**

- Daniel Atashak, 2025, (Munich)
- Yun Kuan Su, 2023, (Tuebingen)
- Mattia Masiero, 2024, (Tuebingen)
- Enes Duran, 2023, (Tuebingen)

- **PhD Mentoring (resulted in co-authored publications)**

- University of Verona (1 student)
- Sapienza University of Rome (~ 12 students)
- University of Tuebingen (~ 7 students)
- Technical University of Munich (~ 10 students)

Participation in industrial innovation

- **Automatic extraction of anthropometric measurements from digital 3D scan of human bodies, (phase 1).**
Role: Researcher. Supported by: Igoodi S.r.l. 27/11/2018 - 15/02/2019
- **Automatic extraction of anthropometric measurements from digital 3D scan of human bodies, (phase 2).**
Role: Researcher. Supported by: Igoodi S.r.l. 01/08/2019 - 31/01/2020

Other

- **CD: 50/50, No-profit association for promoting gender equality and diversity in STEM**
Role: Co-founder and lecturer.
[Website](#) 09/2021 - present

Media Coverage

- **The Munich Center for Machine Learning covers my research as part of the project KI Trans.**
[Website](#) 2025
 - **Translated's Research Center blog post on our research on parallel decoding for speeding up translation and language models.**
[Website](#) 2024
 - **The College of Fellows of the University of Tuebingen covers my research as part of the "Fellow in Focus" interviews.**
[Website](#) 2024
 - **Italian ministry of digital innovation lists CD:50/50 among associations addressing the digital divide in the Italian population**
[Website](#) 2021
 - **The magazine of University of Verona reports Marco Pegoraro's Best Italian Master Thesis in Computer Graphics Award for our work on inverse spectral geometry**
[Website](#) 2021
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List of Publications

Bibliometric indices (Scopus - Scholar)

h-index: 13 - 17

Number of citations: 502 - 951

Journals

1. Yuxuan Xue, Xianghui Xie, **Riccardo Marin**, Gerard Pons-Moll. *Gen-3Diffusion: Realistic Image-to-3D Generation Via 2D & 3D Diffusion Synergy*. IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2025.
2. Filippo Maggioli, **Riccardo Marin**, Simone Melzi, Emanuele Rodolà. *MoMaS: Mold Manifold Simulation for real-time procedural texturing*. Computer Graphics Forum (CGF), presented at Pacific Graphic (PG), 2022.
3. Marco Pegoraro, Simone Melzi, Umberto Castellani, Emanuele Rodolà, **Riccardo Marin**. *Localized Shape Modelling with Global Coherence: An Inverse Spectral Approach*. Computer Graphics Forum (CGF), presented at Symposium on Geometry Processing (SGP), 2022.
4. Pietro Musoni, **Riccardo Marin**, Simone Melzi, *A Functional Skeleton Transfer*. ACM in Computer Graphics and Interactive Techniques (PACMCGIT), 2021, presented at the Symposium of Computer Animation (SCA2021).
5. **Riccardo Marin**, Arianna Rampini, Umberto Castellani, Emanuele Rodolà, Maks Ovsjanikov, Simone Melzi. *Spectral Shape Recovery and Analysis Via Data-driven Connections*, International Journal of Computer Vision (IJCV), 2021
6. Letizia Squarcina, Guido Nosari, **Riccardo Marin**, Umberto Castellani, Marcella Bellani, Carolina Bonivento, Franco Fabbro, Massimo Molteni, Paolo Brambilla. *Automatic classification of autism spectrum disorder in children using cortical thickness and support vector machine*. Brain and Behavior, 2021
7. Eleonora Tagliabue, Diego Dall'Alba, Micha Pfeiffer, Marco Piccinelli, **Riccardo Marin**, Umberto Castellani, Stefanie Speidel, Paolo Fiorini. *Data-driven Intra-operative Estimation of Anatomical Attachments for Autonomous Tissue Dissection*. IEEE Robotics and Automation Letters (RA-L), 2021
8. Roberto M. Dyke, Yu-Kun Lai, Paul L. Rosin, Stefano Zappalà, Seana Dykes, Daoliang Guo, Kun Li, **Riccardo Marin**, Simone Melzi, Jingyu Yang. *SHREC'20: Shape correspondence with non-isometric deformations*. Computer & Graphics, 2020.
9. Simone Melzi, **Riccardo Marin**, Pietro Musoni, Filippo Bardon, Marco Tarini, Umberto Castellani. *Intrinsic/extrinsic embedding representation for functional remeshing of 3D shapes*. Computer & Graphics, 2020.
10. **Riccardo Marin**, Simone Melzi, Emanuele Rodolà, Umberto Castellani. *FARM: Functional Automatic Registration Method for 3D Human Bodies*. Computer Graphics Forum (CGF), 2019. Presented at Eurographics (EG), 2020. [Top Cited Article in CGF 2020-2021 Award]

Conference Proceedings

1. Lu Sang, Zehranaz Canfes, Dongliang Cao, **Riccardo Marin**, Florian Bernard, Daniel Cremers. *TwoSquared: 4D Generation from 2D Image Pairs*. International Conference on 3D Vision (3DV), 2026
2. Johannes Michael Meier, Florian GÄijnther, **Riccardo Marin**, Oussema Dhaouadi, Jacques Kaiser, Daniel Cremers. *IDEAL-M3D: Instance Diversity-Enriched Active Learning for Monocular 3D Detection*. IEEE/CVF Winter Conference on Applications of Computer Vision (WACV), 2026.
3. Oussema Dhaouadi, **Riccardo Marin**, Johannes Michael Meier, Jacques Kaiser, Daniel Cremers. *OrthoLoC: UAV 6-DoF Localization and Calibration Using Orthographic Geodata*. The Thirty-Ninth Annual Conference on Neural Information Processing Systems (NeurIPS), 2025.
4. Regine Hartwig, Dominik Muhle, **Riccardo Marin**, Daniel Cremers. *GECO: Geometrically consistent embedding with lightspeed inference*. International Conference on Computer Vision (ICCV), 2025.
5. Ilya A. Petrov, **Riccardo Marin**, Julian Chibane, Gerard Pons-Moll. *TriDi: Trilateral Diffusion of 3D Humans, Objects and Interactions*. International Conference on Computer Vision (ICCV), 2025.
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