Riccardo Marin, Ph.D.

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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 - updated: June 7, 2023

Research Interests

- Geometry Processing, Geometric Deep Learning, Spectral shape Analysis, Shape Matching, Virtual Humans, AI, Computer Graphics and Computer Vision.

Research Profile

I am a Post Doctoral researcher, awarded with a Humboldt Post-Doctoral Fellowship and a Marie Skłodowska-Curie Post-Doctoral Fellowship, at the University of Tübingen in the Real-Virtual Humans group led by Gerard Pons-Moll. Previously, I was a post-doc at Sapienza University of Rome in the GLADIA group led by Emanuele Rodolà, leading a work package of SPECGEO ERC project. I followed the University of Verona's Ph.D program in Computer Science, under the supervision of Umberto Castellani, collecting a Best PhD Thesis award by EG-Italy. I graduated in Computer Science and Engineering at University of Verona (2017). I work on Spectral Shape Analysis, Shape Matching Geometric Deep Learning, and Virtual Humans. My work appears in top level conferences and journals (NeurIPS, IJCV, CVPR, CGF), obtaining also a Best Student Paper Award (3DV 2020). I served as conference organizer (RCD Committee at SIGGRAPH, Volunteer Chair at 3DV 2018 and STAG 2021), as reviewer for several journals and conferences (PAMI, TCVG, CVPR, NeurIPS, ICLR, ICML, CVPR), obtaining five Outstanding Reviewer Awards. I am involved in many fruitful collaborations (École polytechnique (LIX), Max-Planck Institute (MPI), INRIA Strasbourg, Sapienza University of Rome, University College London (UCL), University of Milan, University of Verona), and in projects financed by Google and ERC.

Academic Appointments

- **University of Tübingen,** Germany - Computer Science department *01/07/2022 – present*
  Post Doctoral researcher with Humboldt Foundation Fellowship (12 months);
  Advisor: Prof. Gerard Pons-Moll
- **Sapienza University of Rome,** Italy - Computer Science department *01/12/2020 – 30/06/2022*
  Post Doctoral researcher;
  Advisor: Prof. Emanuele Rodolà
- **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)
- **École polytechnique (FRA),** France - Computer Science department *09/2019 – 03/2020*
  Visiting Student;
  Advisor: Prof. Maks Ovsjanikov

Fellowships

- **ELLIS - European Lab for Learning and Intelligent Systems** *2023 – present*
  Member
- **Marie Skłodowska-Curie Action HORIZON 2021-2027** *2023 – present*
  Postdoctoral Research Fellow
- **Alexander von Humboldt Foundation** *2022 – 2023*
  Postdoctoral Research Fellow

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Education

- **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 scolarship**; concluded without extention requests)
  Thesis: *Merging, extending and learning representations for 3D shape matching.*
  Advisor: Umberto Castellani
  Examiners: Alex Bronstein (Technion), Tobias Schreck (Graz University), Stefanie Wuhrer (INRIA Grenoble)
  Reviewers: Alex Bronstein (Technion), Stefanie Wuhrer (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*
  Attendence at Graduate School on Machine Learning for Non-Matrix Data

- **University of Milan,** Italy – Computer Science department *05/2019*
  Attendence at Graduate School at Symposium on Geometry Processing 2019 (SGP).

- **University of Brescia,** Italy – Computer Science department *10/2018*
  Attendence at International School on Graphics and Geometry Processing for Digital Manufacturing (EGIT) at Italian Chapter of Eurographics (STAG).

- **Standford University,** coursera.org *08/2017 – 07/2018*
  Deep Learning Specialization; held by *Prof. Andrew Ng*
  Certificate

- **Alberta University,** coursera.org *01/2021 – 04/2021*
  Reinforcement Learning Specialization; held by *Prof. Marta White and Prof. Adam White*
  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*

Professional Activities / Academic Service

- **Member of Program Commitee** *2023*
  ICLR Tiny Papers Track (DEI), *Kigali, Rwanda*.

- **Session Chair** *19/01/2023*
  IMPRS-IS Interview Symposium at Max Planck Intelligent-Systems, *Tübingen (Germany)*.

- **Member of Program Commitee** *2022*
  Symposium on 3D Object Retrieval, *Florence (Italy)*.

- **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*.

- **Member of Program Commitee** *2021*
  Workshop on 3D Object Retrieval 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

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- **Volunteers Chair** *09/2018*
  3DV 2018, International Conference on 3D Vision, *Verona, Italy*.
- **Volunteer Student**
  ICCV 2017, Venice, Italy.
  Eurographics 2019, *Venice, Italy*.
- **High School advanced-class in Computer Skills Teacher** *11/2012 – 05/2013*
  ITCS Aldo Pasoli, *Via Girolamo dalla Corte, 15 - 37131 Verona, Italy*.
- **Computer literacy course Teacher** *11/2012 – 05/2013*
  ITCS Aldo Pasoli, *Via Girolamo dalla Corte, 15 - 37131 Verona, Italy*.
- **Area Chair, Meta-Reviewer**
  - TinyPapers (ICLR Track); 2023
- **Reviewer (Conferences)**
  - BMVC; 2018
  - 3DV; 2019 - 2022
  - GMDL; 2019
  - NeurIPS; 2020 - 2023
  - ICLR; 2021 - 2023
  - AAAI; 2021
  - CVPR; 2021 - 2023
  - ICML; 2021 - 2023
  - 3DOR; 2021, 2022
  - MVA; 2021
  - ICCV; 2021, 2023
  - Siggraph ASIA; 2021, 2023
  - EuroGraphics; 2022
  - WACV; 2022
  - ECCV; 2022
  - ICIAP; 2023
  - TinyPapers (ICLR Track); 2023
- **Reviewer (Journals)**
  - IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI); 2022, 2023
  - IEEE Transactions on Computer Visualization and Computer Graphics (TVCG), 2019 - 2023
  - 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

Teaching

- **Functional Correspondence from Discrete Geometry to Learning** *01/07/2023*
  Lecturer and organizer; at the Graduate School of the Symposium on Geometry Processing 2023.
  Length: 1 hour, *Genoa, 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*.
- **Numerical methods for Computer Science** *02/2022 - 04/2023*
  Assistant Professor; 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*.

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- **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*.
- **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*.
- **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*.
- **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*.
- **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*.

Honors and Awards

- **ELLIS Membership** *2023*
  Member of the European Lab for Learning and Intelligent Systems.
- **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).
  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)** *01/07/2023 - 01/07/2024*
  Project: CoMBo - Correspondence through Millions Bodies: a large-scale, functional, and implicit data-driven method for 3D Humans matching
  Funding: European Commission HORIZON 2021-2027. (~87K€)
  Role: **Principal Investigator**
  Host: Prof. G. Pons-Moll; 12 months

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- **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: **Principal Investigator**
  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

- ***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.*

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- ***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*.
- ***Introduction to Spectral Graph Theory: from Fourier to 3D models.*** *18,19,20/12/2018*
  University of Verona; hosted by *Prof. G. Menegaz*.
- ***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

Participation in Research projects

- ***Fair Geometry: Toward Algorithmic Debiasing in Geometric Deep Learning.*** *2021 - present*
  Role: Researcher.
  Funding: Google Research
  Coordinator: Prof. E. Rodolà ("La Sapienza" University of Rome).
- ***SPECGEO - Spectral geometric methods in practice.*** *2020 - present*
  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 Students (official co-advisor)***
  - 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)

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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

- ***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*

List of Publications

- Andrea Santilli, Silvio Severino, Emilian Postolache, Valentino Maiorca, Michele Mancusi, **Riccardo Marin**, Emanuele Rodolà. *Accelerating Transformer Inference for Translation via Parallel Decoding*. To appear at the 61st Annual Meeting of the Association for Computational Linguistics (ACL), 2023.
- Ilya A. Petrov, **Riccardo Marin**, Julian Chibane, Gerard Pons-Moll. *Object pop-up: Can we infer 3D objects and their poses from human interactions alone?*. To appear at IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2023.
- Donato Crisostomi, Simone Antonelli, Valentino Maiorca, Luca Moschella, **Riccardo Marin**, Emanuele Rodolà. *Metric Based Few-Shot Graph Classification*. Learning on Graphs Conference (LoG), 2022.
- Ramana Subramanyam Sundararaman, **Riccardo Marin**, Emanuele Rodolà, Maks Ovsjanikov. *Reduced Representation of Deformation Fields for Effective Non-rigid Shape Matching*. Conference on Neural Information Processing Systems (NeurIPS), 2022.
- 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.
- 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.
- Giovanni Trappolini, Luca Cosmo, Luca Moschella, **Riccardo Marin**, Simone Melzi, Emanuele Rodolà. *Shape registration in the time of transformers*. Conference on Neural Information Processing Systems (NeurIPS), 2021.
- 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).
- **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, 2021
- Eleonora Tagliabue, Marco Piccinelli, Diego Dall'Alba, Juan Verde, Micha Pfeiffer, **Riccardo Marin**, Stefanie Speidel, Paolo Fiorini, Stéphane Cotin. *Intra-operative Update of Boundary Conditions for Patient-specific Surgical Simulation*, MICCAI, 2021

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- 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

- 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

- **Riccardo Marin**, Marie-Julie Rakotosaona, Simone Melzi, Maks Ovsjanikov. *Correspondence Learning via Linearly-invariant Embedding*. Conference on Neural Information Processing Systems (NeurIPS), 2020.

- 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.

- Roberto M. Dyke, Feng Zhou, Yu-Kun. Lai, Paul L. Rosin, Daoliang Guo, Kun Li, **Riccardo Marin**, Jingyu Yang. *SHREC'20: Non-rigid Shape Correspondence of Physically-Based Deformations*. 13th Workshop on 3D Object Retrieval (3DOR), 2020.

- **Riccardo Marin**, Arianna Rampini, Umberto Castellani, Emanuele Rodolà, Maks Ovsjanikov, Simone Melzi. *Instant recovery of shape from spectrum via latent space connections*. International Conference on 3D Vision (3DV), 2020. [**Best Student Paper Award**]

- 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.

- **Riccardo Marin**, Simone Melzi, Emanuele Rodolà, Umberto Castellani. *High-Resolution Augmentation for Automatic Template-Based Matching of Human Models*. International Conference on 3D Vision (3DV), 2019.

- **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]

- **Riccardo Marin**, Simone Melzi, Niloy Mitra, Umberto Castellani. *POP: full Parametric modelling estimation for Occluded People*. The 12th Eurographics Workshop on 3D Object Retrieval (3DOR), 2019.

- **Riccardo Marin**, Simone Melzi, Pietro Musoni, Filippo Bardon, Marco Tarini, Umberto Castellani. *CMH: Coordinates Manifold Harmonics for Functional Remeshing*. The 12th Eurographics Workshop on 3D Object Retrieval (3DOR), 2019.

- Simone Melzi, **Riccardo Marin**, Pietro Musoni, Umberto Castellani, Marco Tarini. Visual Assessments of Functional Maps. Poster at Symposium on Geometry Processing (SGP), 2019.

- Simone Melzi, **Riccardo Marin**, Emanuele Rodolà, Umberto Castellani, Jing Ren, Adrien Poulenard, Peter Wonka, Maks Ovsjanikov. *SHREC'19: Matching Humans with Different Connectivity*, the 12th Eurographics Workshop on 3D Object Retrieval (3DOR), 2019.

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