

Andrea Giachetti – Curriculum Vitae

Personal information

Address via Grazioli 146, 38122 Trento
work address Room 1.86 Dipartimento di Ingegneria per la Medicina di Innovazione,
Cà Vignal 2, Strada Le Grazie 15, Verona, Italy
e-mail andrea.giachetti@univr.it
Phone +39 3295822114
Skype andrea.giachetti
Fax +39 045 802706
web <http://www.andreagiachetti.it>
github <https://github.com/giach68>

Position

11/2023- Full Professor, Department of Engineering for Innovation Medicine
University of Verona SSD ING-INF05
2007-2023 Associate Professor, Department of Computer Science University of
Verona SSD ING-INF05
2019 – present Associate Researcher – CNR IMATI, Genova
2020 - present vice-president of Circolo di Trento di Legambiente
(www.legambientetrento.it)

Work Experience

2015-2022 President of the Italian chapter of Eurographics association
(www.eg-italy.org - the association brings together all the main Italian
computer graphics research groups and organizes the annual
conference, schools and other activities)
2013 -2020 President of **Circolo di Trento di Legambiente**
(www.legambientetrento.it)
2004 - 2010 Scientific consultant at **Centro di Ricerca, Sviluppo e Studi
Superiori in Sardegna (CRS4)** working on several EU-funded research
projects
2004-2006 Assistant professor in the department of Computer Science of the
University of Cagliari.
2002-2004 Head of the “**Image processing and physical simulation**” group in the
Biomedical Application Area of CRS4 coordinating a group of 4 people),
being key staff of various EU funded projects.
1999-2001 Expert researcher at CRS4
1997-1999 Researcher at CRS4
11/96-1/97 Consultant at CNR-ICB, Genova, working on texture analysis
11-96 Teaching activity in High schools
7/96 Scientific consultant at CRS4 Cagliari.
4/93-9/93 Elsas Bailey research fellowship

Education and qualifications

2017 Qualification as full professor 09/H1 Sistemi di Elaborazione delle
Informazioni
2000 Qualification as Mathematics and Physics teacher for the
Secondary School in Italy (exam held in Bolzano/Bozen).
2000 Professional course on Imaging in Radiology and RIS-PACS

- 1997 integration.
Ph. D. in Physics from the University of Genova, Italy. Thesis:
"Ricostruzione del moto da sequenze di immagini", supervisor prof.
Vincent Torre, topic: Computer Vision
- 1993 Master Degree in Physics from the University of Genova,
Italy (110/110 cum laude)

Teaching

Current courses

- "Human-Computer interaction/Intelligent interfaces" of the Masters' degree in Computer Engineering for Robotics and smart industry and the Masters' degree in Artificial Intelligence. Average attending student evaluation 3.60/4 for the two modules (22/23)
- "Computer Graphics" of the bachelor degree in Computer Science. Average attending student evaluation (21/22) 3.18/4
- "Fundamentals of Computer Graphics" for the Master in Computer Game Development.
- Data Visualization Masters' degree in Computer Engineering for Robotics and smart industry. Average attending student evaluation for the two modules (21/22) 3.38/4
- Digital Design Masters' degree in Computer Engineering for Robotics and smart industry. Average attending student evaluation for the course not recorded due to few students)

Past courses

2014-2019 "Image and volume data analysis", Master Degree in Engineering and Computer Science

2016 - Ph.D. course on "Medial representations for 3D shape analysis".

2010-14 Elaborazione Immagini in Medicina/Elaborazione dati Biomedici

2007-2010 Elaborazione Immagini in Medicina (5 cfu) Laurea in Sistemi Intelligenti e Multimediali

2008-2012 Tecnologie Informatiche e Multimediali (6cfu) Bachelor degree, Faculty of Education, University of Verona.

2007-2010 Informatica 2 (4 cfu) Master degree, Faculty of Education, University of Verona.

2007/2008 Fondamenti di Informatica (8- cfu) Bachelor degree, Faculty of Education, University of Verona.

2004-2008 Elaborazione Immagini e Visione Computazionale Master degree in Computer Science, University of Cagliari (6 cfu).

2006/2007 Laboratorio di Programmazione (6 cfu) e Programmazione Orientata agli Oggetti Bachelor degree in Computer Science, University of Cagliari (6 cfu).

2004-2006 Laboratorio di Programmazione (6 cfu) Bachelor degree in Computer Science, University of Cagliari (6 cfu).

2003/2004 Laboratorio IV (Sistemi Operativi) bachelor degree in Computer Science, University of Cagliari (3 cfu).

2000-2004 "Fondamenti di Informatica" bachelor degree in Earth Sciences, University of Cagliari (6 cfu).

Other teaching activities/international teaching

- Organization of the Summer School International School on Graphics and Geometry Processing for Digital Manufacturing Brescia Oct. 26-18, 2018
- Lecture on Shape, appearance and relighting from multi-Light image collections within the tutorial "Methods for photographic radiometry, modeling of light transport and material appearance", International Conference on 3D Vision, 3DV 2018, Verona, 5-8/9 2018
- Organization and teaching in the "First Summer School of the EU Project 3D anatomical human" Pula (CA, Italy), May 2008.
- Lecture in the tutorial "Towards the virtual physiological human" at the Eurographics 2007 conference, Prague. <https://diglib.eg.org/handle/10.2312/egt.20071062.125-172>

Students' supervision

Supervision of Ph.D. Activity of the following students: **Leonardo Righetto** (2022,-), **Marco Emporio** (2021-), **Filippo Andrea Fanni** (2019-2022), **Tinsae Gebrechristos Dulecha** (2018-2021), **Ariel Caputo** (2015-2018).

With prof. Carlo Zancanaro, co-supervisor the Ph.D. thesis of **Christian Lovato** (Multimodal imaging in medicine, 2013). With prof. Daniele Giusto, co-tutor of the Ph.D activity of **Barbara Podda** at the University of Cagliari.

Supervisor of >20 Master theses in Computer Science and > 50 bachelor theses in Computer Science at UNIVR, as well as 3 bachelor and 2 Master theses at the faculty of Education.

Supervision of postdoc/postgraduate researchers

Filippo Andrea Fanni (2023), Alvise Vivenza (2022), Ariel Caputo (2018-2022), Irina Ciortan (2018-2021), Marco Pesavento (2019), Marco Romagnoli (2015), Valeria Garro (2013,14), Christian Lovato 2013(14)

Supervision of internships

I supervised **108** undergrad internships for the degree of Computer Science/Bioinformatica as company tutor ("tutor aziendale") and academic tutor at the University of Verona organizing activities for them in the VIPS lab.

External reviewing of PhD theses

I have been **external reviewer for 6 PhD theses** (Stefano Marras, Fabio Guggeri, University of Cagliari, Luca Cosmo, University of Venice, Imon Banerjee, University of Genoa, Francesco Di Renzo, University of Rome-La Sapienza), Yuly Castro (University of Burgundy, France).

I have been also component of an external reviewers commission for a final Ph.D. defense at the University of Brescia (Computer Engineering XXX ciclo, 2018)

External competition commissions

Component of commission for Ricercatore a tempo determinato di tipo A, DIBRIS, Univ. Genova, 2017 and for competition 367.329 TEC IMATI (2023)

University assignments

- **Current:**
 - **Programme Director** of the **Masters' degree in Computer Engineering for Robotics and Smart Industry**
 - Chair, QA Commission Master's degree in Computer Engineering for Robotics and Smart Industry - LM32
 - member, PhD Committee - Department Computer Science
 - member, Computer Science Teaching Committee - Department Computer Science
 - member Teaching College of Mathematics and Data Science - Department Computer Science
 - member Human Centered Medical System Engineering Teaching Committee - Department Department of Engineering for Innovation Medicine
 - member Scientific Committee of the Master in Computer game development - Department Computer Science
 - member Council of the Department of Engineering for Innovation Medicine - Department Department of Engineering for Innovation Medicine
- **Past roles:** Member of joint commission, Scuola di Scienze e Ingegneria, member of the Department Board of the department Computer Science of UNIVR. President of the spinoff commission of the department of Computer Science, contact person for Quality Evaluation (AVA) for the Master Degree in Engineering and Computer Science, and in the commission for the evaluation of applications for teaching contracts.

Research projects' management and contributions

- **Current**
 - **PRIN 2022: REFLEX – REFlectance EXploration:** improving the acquisition, distribution, and exploration of multi-light image collections for surface

characterization and analysis, **project coordinator, (competitive grant, funding 224,685 Euro)**

- Interconnected North-Est Innovation Ecosystem (iNEST), funded by the European Union Next-GenerationEU (Piano Nazionale di Ripresa e Resilienza (PNRR) – Missione 4 Componente 2, Investimento 1.5 – D.D.~1058 23/06/2022, ECS00000043). Spoke 5, RT4 Personalized Assistive Technologies and Smart Environments for Inclusive Living in private and public spaces **Task leader Task S4_RT4.3 Task S4_RT4.4**, contribution to **RT2 Digital Twin in Industries 5.0**

- **Past**

- **2018-2023** Project Manager **Tecnologia Abilitanti 2. Augmented Reality, Additive manufacturing, Progetto di Eccellenza Dipartimento di Informatica - Computer Engineering for Industry 4.0**
- **2020-2023** **Hybrid Sustainable Worlds** (POR FESR 2014-2020, azione 1.1.4 DGR 822/2020, **local coordinator, local funding 120000 Euro**)
- **2021-** Principal investigator, **Prima Industries** - AI solutions for laser cutting machine industrial contract, funding: **38000 Euro**
- **2018-2021** PRIN2015 project **DSurf: Scalable Computational methods for 3D printing surfaces**, local unit coordinator, (competitive grant, MUR, local funding **72736 Euro**)
- **Unit leader** (with Claudia Daffara) of the Verona unit of the **Horizon 2020** project **Scan4Reco** Grant Agreement No: 665091 [H2020-REFLECTIVE-7-2014] Advanced 3D modelling for accessing and understanding European cultural assets (competitive grant, local funding **379000 Euro**)
- **2020** **Principal Investigator** Industrial contract with **TR2 Srls** Supporto scientifico per sviluppo algoritmi di A.I. local funding **7000 euro**)
- **2019** Royal Society of Edinburgh & CNR (Italy). Cultural Heritage: **Modelling the challenge to visitor flow in specific historic buildings – 3000 euro (with CNR - IMATI)**
- **2019** Industrial contract (The Edge Company) Analysis and development of gestural interaction methods for Augmented Reality applications local funding **30000 Euro**.
- **2014** - Principal Investigator project **“Analisi e codifica compatta di video tennistici”** Fondo Sociale Europeo, competitive grant, local funding **24000 Euro**, 1 temporary research associate hired
- **2013** Principal Investigator **“Ricostruzione 3D e analisi della forma del piede per l'industria calzaturiera”** funded by European Social Fund, , competitive grant, local funding **24000 Euro**, 1 temporary research associate hired
- **2006-2010** Key personnel in Marie Curie RTN **3D Anatomical Human (MRTN-CT-2006-035763 (at CRS4)**
- **2006** Member of Cagliari Unit of the PRIN 2006 **Tecniche di Indicizzazione e Reperimento di Forme Tridimensionali (3-SHIRT)** (with University of Cagliari)
- **2004-2008** Key personnel in the project **COHERENT (IST-FP6-510166)**, (at CRS4)
- **1999** Key personnel in the project **VIVa** (Virtual Vascular, Eureka program 1997-99) (at CRS4)
- **2000-2002** Key personnel in the project **IERAPSI (IST-1999-12175)**. (at CRS4)
- **2000-2004** **Technical Project Manager** of the European project **AQUATICS**, part of the cluster **EUTIST-M (IST-1999-20226/AQUATICS)**, (at CRS4)
- **2001** Key personnel in the project **URBAN** (MIUR D. D. 784 Ric. 24/07/2001) aimed at the reconstruction of functional brain models from histological sections, (at CRS4)
- **Other**
 - Coordinator of a FP7 STREP proposal (**SANDMED**, Virtual Physiological Human) positively evaluated but not funded in 2012. Project awarded with **2903 Euros** by University of Verona
 - Head of the Verona unit in another STREP proposal positively scored but not funded (**SINEMA**).
 - Leader of the Verona Unit in the proposal PRIN 2010-2011 **ATMAN** that passed the

first selection but was not directly funded. Project awarded with **1456 Euro** from the University of Verona

- 1UNIVR-Cooperint type B grant (2013), project **Detection and localization of retinal diseases: analyzing experts' annotations to develop robust automatic techniques.** (1500 Euro)

Project reviewing

- Expert reviewer for the European commission for evaluation and monitoring of research projects (three project reviews performed).
- Member of the Register of Experts of the Italian ministry of University and Scientific Research. Review of research grant applications for Regione Toscana (2021)

Conference chairing/organization

- State of the Art Chair Eurographics 2019 conference, Genova
- Local chair, 3DV 2018, Verona
- Program chair of STAG 2017 (Smart Tools and Applications in computer Graphics), Catania September 2017
- Program chair, Eurographics Workshop on 3D Object Retrieval 2016, Lisbon.
- Doctoral Consortium Chair, CHIItaly 2017, Cagliari
- Best thesis award chair, STAG Smart Tools and Apps for Graphics 2016, Genova.
- Program chair, STAG Smart Tools and Apps for Graphics 2014 Cagliari - September 22-23
- Local Chair, STAG 2015 (Smart Tools and Applications in computer Graphics, Verona, 15-16/10 2015)
- Co-organizer of Eurographics Italian Chapter Conference 2009, Verona

Organization of scientific contests

- Organizer of the contest on SHREC'22 Track on track on online detection of heterogeneous gestures within the Eurographics Workshop on 3D Object Retrieval 2022
- Organizer of the contest on SHREC'21 Track on Skeleton-based Hand Gesture Recognition in the Wild within the Eurographics Workshop on 3D Object Retrieval 2021.
- Organizer of the contest on SHREC'19 track: Online gesture recognition within the Eurographics Workshop on 3D Object Retrieval 2019.
- Co-organizer of the contest on SHREC'17 track: Retrieval of surfaces with similar relief patterns within the Eurographics Workshop on 3D Object Retrieval 2017.
- Organizer of the contest on Retrieval of Human Subjects from Depth Sensor Data within the Eurographics Workshop on 3D Object Retrieval 2016.
- Organizer of the contest on Retrieval of nonrigid and textured shapes from low quality scans within the Eurographics Workshop on 3D Object Retrieval 2015.
- Organizer of the contest on Automatic Location of Landmarks used in Manual Anthropometry within the Eurographics Workshop on 3D Object Retrieval 2014.

Program committees

Program committee member of the following conferences:

- International Conference on Graphics and Interaction 2023, 2022
- Eurographics Workshop on 3D Object Retrieval 2023, 2020, 2019, 2017, 2016, 2015
- Eurographics Smart Tools and Application in Graphics (STAG) 2023-2014
- VISAPP 2024, 2023, 2022, 2021
- IMPROVE 2024, 2023, 2022, 2021
- Eurographics Education papers 2022
- VIDEM 2020: Workshop on Visual Interface Design Methods
- Eurographics 2019
- CHITALY 2017

- MIUA 2017
- VIDEM 2020
- 3D Body Scanning Technologies 2012-2016
- AVSS2013
- NORDIA 2012, IARIA-ICDT 2009-2013, HSI2010 track on Human Machine Interaction, 3D Physiological Human 2009, 3D Physiological Human 2008.

Editorial tasks

- Guest editor, **Computers & Graphics Journal**, Special Section on Recent Advances in Graphics and Interaction. 2022, and for special issues on STAG 2017 and 5TAG 2015
- **Guest editor** for the Special Issue "**Smart Sensors Data Processing and Visualization in Cultural Heritage**" of Sensor Journal (2020)
- **Associate editor** of Journal of Graphics Tools for special issue on STAG 2014.
- Former member of the editorial committee of the journal ISRN Signal Processing
- Reviewer for the journals:
 - Medical Image Analysis, Journal on Computing and Cultural Heritage, Image and Vision Computing, IEEE Transactions on Image Processing, IEEE Transactions on Medical Imaging, IEEE Transactions on Biomedical Engineering, Computer Graphics Forum, Pattern Recognition Letters, Computer Vision and Image Understanding, Plos ONE, Computers and Graphics, IEEE Journal of Biomedical and Health Informatics, Journal of Visual Communication and Image Representation, Artificial Intelligence in Medicine, IEEE Transactions on circuits and systems for video technology, Computer Methods and Programs in Biomedicine, Signal, Image and Video Processing; Computer-Aided Design; International Journal of Biomedical Imaging, SPIE Journal on Medical Imaging, SPIE Journal on Electronic imaging, Computers in Biology and Medicine, Journal of Medical and Biological Engineering, IET Image Processing, Parallel Computing, ETRI Journal, EURASIP Journal on Image and Video Processing, ELCVIA, CAIM Journal, 3D Research, Image Communication, IET Science, Measurement & Technology, Biocybernetics and Biomedical Engineering and others
- Reviewing for the conferences CVPR, ECCV, BMVC, Eurographics, IEEE-VR, ACM Siggraph, CHI, CGI, and many more

Visiting

Feb-March 2014 University of Dundee (UK), CVIP group (prof. E.Truccho) 1 month, working on the VAMPIRE multicentric project on retinal image analysis

Invited talks

- Robust methods for shape analysis - University of Lugano (2012)
- 3D shape analysis methods and applications (2014) - University of Dundee
- Processing human 3D models and extracting measurements for indirect body fat estimation - Robert Gordon University, Aberdeen (2014)
- 3D shape analysis methods and applications IMATI - Genova (2015)
- 3D shape analysis methods and applications IIT - Genova (2016)

Awards

Best paper award EUROGRAPHICS Workshop on Graphics and Cultural Heritage (GCH) 2019 – Sarajevo, Bosnia and Herzegovina, November 6 – 9, 2019 A.Jaspe Villanueva, E. Gobbetti, A.Giachetti **Web-based Multi-layered Exploration of Annotated Image-based Shape and Material Models**

Best paper award Eurographics workshop on Graphics and Cultural Heritage 2017 (GCH) Graz: A. Giachetti, I Ciortan, C Daffara, R Pintus, E Gobbetti **Multispectral RTI analysis of heterogeneous**

artworks

Best paper award EG Smart Tools and Apps in computer Graphics (STAG) 2017 – Catania, Sept 11-12 2017: Fabio Marco Caputo, Pietro Prebianca, Alessandro Carcangiu, Lucio D. Spano, and Andrea Giachetti **A 3 Cent Recognizer: Simple and Effective Retrieval and Classification of Mid-air Gestures from Single 3D Traces**

Research group

Within the **VIPS lab** (<http://vips.sci.univr.it/>) I coordinate a group working in **Visual Computing and Human-Computer Interaction** currently composed of one RTDa (Ariel Caputo), 2 PhD students (Leonardo Righetto, Marco Emporio) and a research fellow (Deborah Pintani). The group work in close collaboration with the machine learning area of the lab and strictly collaborates with several Italian and international groups (CRS4-Visual Computing Cagliari, CNR IMATI Genova, CNR-ISTI Pisa, CCHT IIT Venezia, University of Trento, University of Porto, NTNU Trondheim, University of Central Florida).

Research topics

HCI, interaction and gesture recognition. I recently worked on interaction analysis, in particular for mixed reality applications. A research line was dedicated to the development of novel gestural interaction paradigms for interaction in immersive virtual reality (particularly manipulation) [A44, A42, A30, A31, B88, B86, B76]. I worked also on navigation techniques, in particular analyzing design choices for sickness reduction [B117, B110, B106, B101, B79] and on the design of effective solution for mixed reality interface development [B106].

This research is conducted with the collaboration of different partners (University of Trento, University of Padova, University of Cagliari, IMATI-CNR, IST Lisbon, University of Porto) and also within the Hybrid Worlds and iNest projects..

I also investigate methods for hand gesture recognition, in particular for online recognition of heterogeneous gestures, developing novel method based on trajectory matching and Neural Networks and creating new benchmarks [A42, A38, A32, B111, B98, B87, B77]. The research is carried on in collaboration with the University of Central Florida (prof. Joseph LaViola)

Pattern design and 3D printing. I am currently working on methods for the design of decorative patterns over manifolds in the 3D space. This work is ongoing, in collaboration with University of Roma-La Sapienza (F.Pellacini) and University of Cagliari (R.Scateni) [A43,B115]. With the PhD activity of Filippo Andrea Fanni and within the activities of the Industrial Computer Engineering lab, I am also working on decomposition of shapes in custom and 3D printed LEGO blocks [B112]. Another interesting aspects is related to the description and recognition of patterns, as well to the semantic description of textures and I am working on it at UniVR in collaboration with prof. M.Cristani [B108, B100, B99]. **Computer Vision.** I recently worked on characterization of surfaces from multi-light image capture also applied in the domain of Cultural Heritage. For example, in the framework of the EU project Scan4Reco I worked on acquisition (hardware and protocols) and processing methods (algorithms and software) to characterize appearance and roughness of materials used in artworks. This work has been performed also with the collaboration of CRS4 (Enrico Gobbetti) and ISTI-CNR Federico Ponchio) and resulted in several publications related to Reflectance Transformation Imaging, image visualization, Photometric Stereo. [B114, A40, A35, A29, B109, B103, B96, B95, B89, B85, B81, B80,B74,B63]. The project aimed at characterize materials' features and aging using multimodal acquisition. In the D-Surf PRIN project I also worked on characterization of surface properties from images. In the PhD thesis of Tinsae Dulecha we also worked on relightable images based on autoencoders and on novel Photometric Stereo benchmarks [A39, B107]. For the applications in Cultural Heritage I am now working also in a multicentric project with NTNU Trondheim, Norway, and IIT/CCHT Venezia (PhD of Leonardo Righetto project funded on DM 351) and I will work within the recently funded Prin 2022 REFLEX.

Shape analysis. I worked on the development of methods for salient points recognition, skeleton extraction and segmentation of 3D models, with relevant applications on anthropometric studies [B45, B47, B48, B53, B56]. In particular, I designed a method to characterize radial (spherical and cylindrical) symmetries in 3D models the Area Projection Transform [A17], useful also to compute shape signatures and applied with success on different shape retrieval tasks, e.g. protein shape retrieval, relief patterns retrieval, human body shape retrieval. I organized several shape retrieval contests. [B45, B47, B48, B52, B56, B67, B68, B69, B73, B78, B83, B90, B105, A25, A27, A34, A36, A37, A41]. I also developed with Valeria Garro a novel graph-based shape characterization method using spectral analysis on the Riemannian manifold, graph-based encoding of shapes, and graph matching techniques [A26]. I worked on algorithms for curve skeleton estimation, [B47, B65], pose estimation, salient points matching. This research is carried on in collaboration with CNR-IMATI.

Digital Anthropometry I worked with professor Carlo Zancanaro (UNIVR, dept. of Neuroscience, Biomedicine and Movement) on projects related to the analysis of the human body. In this context we performed research on automatic analysis of 3D body scanning data for body type characterization and fat estimation [A22, A20, A19] and estimation of composition parameters from depth images [B93].

Medical segmentation and 3D models reconstruction. I developed methods the reconstruction of 3D organ models from medical datasets [A4, A8, B29], working in related tasks of EU-funded projects at CRS4. I was also involved in the VAMPIRE project (<https://vampire.computing.dundee.ac.uk>), led by the University of Dundee and focused on the development of software tools for retinal image analysis and on clinical applications. In this project I designed algorithms for retinal features' characterization and I realized parts of software tools used by the research group in clinical studies [A21, A18, B53, B54, B56, B57].

Image Processing. I developed artifact free 2D and 3D image interpolation methods. The ICBI algorithm is quite popular and the implementations available on the site www.andreagiachetti.it have been widely tested and used by several researchers [A16, B42, B43]. I also worked on texture analysis methods applied to medical images for classification and segmentation of tissues [B33, B36].

Visualization and interaction. I worked in projects employing light-field displays to create 3D visualization tools [A3, B6, B8], and in this context I developed a gesture based interface for the interaction with 3D models [B40]. I also contributed to the development of a web base visualization tool for medical and neurophysiological studies [A14].

Surgical simulation. In the context of q research project developing surgical simulation tools I worked in tasks related to the integration of tissue classification methods into the interaction framework [A9]

Medical data management and PACS systems. I worked in the development of systems for the handling of medical information in hospitals, testing DICOM connection, supporting connectivity and data interchange in different application, also web based [B8, B11].

Blood flow simulation. He worked in projects aimed at the simulation of blood flow inside vessels, not only reconstructing patient specific vascular models but also working with commercial simulators and tetrahedral mesh builders [A5, B9].

Motion and optical flow. During the period spent at University of Genova, I mainly worked on motion analysis (e.g. development of optical flow estimation algorithms [A6, C7] and motion parameters estimation technique [A2]) applying the techniques developed to several practical applications, like road sequences interpretation for autonomous vehicles [A3, C6], tracking in medical images [A4], biological tissues analysis [A7], satellite images analysis [A11].

Public codes

Demo codes of selected works are available at the web site www.andreagiachetti.it or on <https://github.com/giach68>. In particular, the Matlab, C and CUDA implementation of ICBI upscaling code and the C++, code for the estimation of Multiscale Area Projection Transform, C++ tools for RTI stack (multi light image) processing.

Member of associations:

Eurographics, CVPL, ACM

Scientific publications

Journal Papers

- A44) Emporio, M., Caputo, A., Giachetti, A., Cristani, M., Borghi, G., D'Eusanio, A., ... & von Tycowicz, C. (2022). **SHREC 2022 track on online detection of heterogeneous gestures**. *Computers & Graphics*, 107, 241-251.
- A43) Fanni, FA, Scateni, R., Pellacini F, Giachetti, A. **PAVEL: Decorative Patterns with Packed Volumetric Elements** *ACM Transactions on Graphics*, 41, 2, Article 19 (April 2022),
- A42) Caputo, A., Giachetti, A. et al. **SHREC 2021: Skeleton-based hand gesture recognition in the wild** (2021) *Computers and Graphics (Pergamon)*, 99, pp. 201-211.
- A41) Raffo, A., Fugacci, U., Biasotti, S., Rocchia, W., Liu, Y., Otu, E., Zwiggelaar, R., Hunter, D., Zacharaki, E.I., Psatha, E., Laskos, D., Arvanitis, G., Moustakas, K., Aderinwale, T., Christoffer, C., Shin, W.-H., Kihara, D., Giachetti, A., Nguyen, H.-N., Nguyen, T.-D., Nguyen-Truong, V.-T., Le-Thanh, D., Nguyen, H.-D., Tran, M.-T. **SHREC 2021 Track: Retrieval and classification of protein surfaces equipped with physical and chemical properties** (2021) *Computers and Graphics (Pergamon)*, 99, pp. 1-21.
- A40) Jaspé-Villanueva, A., Ahsan, M., Pintus, R., Giachetti, A., Marton, F., Gobbetti, E. **Web-based Exploration of Annotated Multi-Layered Relightable Image Models** (2021) *Journal on Computing and Cultural Heritage*, 14 (2), art. no. 3430846
- A39) Dulecha, T. G., Fanni, F. A., Ponchio, F., Pellacini, F., & Giachetti, A. (2020). **Neural reflectance transformation imaging**. *The Visual Computer*, 36, 2161–2174 (2020)
- A38) Caputo, A., Giachetti, A., Giannini, F., Lupinetti, K., Monti, M., Pegoraro, M., & Ranieri, A. (2020). **SFINGE 3D: A novel benchmark for online detection and recognition of heterogeneous hand gestures from 3D fingers' trajectories**. *Computers & Graphics*, 91, 232-242.
- A37) Langenfeld, F., Peng, Y., Lai, Y. K., Rosin, P. L., Aderinwale, T., Terashi, G., Giachetti, A. ... & Cabani, A. (2020). **SHREC 2020: Multi-domain protein shape retrieval challenge**. *Computers & Graphics*, 91, 189-198.
- A36) Thompson, E. M., Biasotti, S., Giachetti, A., Tortorici, C., Werghi, N., Obeid, A. S., ... & Tran, M. T. (2020). **SHREC 2020: Retrieval of digital surfaces with similar geometric reliefs**. *Computers & Graphics*, 91, 199-218.
- A35) R Pintus, TG Dulecha, I Ciortan, E Gobbetti, A Giachetti **State-of-the-art in Multi-Light Image Collections for Surface Visualization and Analysis** *Computer Graphics Forum* 38 (3), 909-934 2019
- A34) A. Giachetti **Effective Characterization of Relief Patterns** *Computer Graphics Forum* 37:5 2018 10.1111/cgf.13493
- A33) Andrea Giachetti, Paolo Pingi, Filippo Stanco, **Foreword to the Special Section on Smart Tools and Applications in Computer Graphics 2017**, *Computers & Graphics*, Volume 74, 2018, Pages A6-A7, ISSN 0097-8493, <https://doi.org/10.1016/j.cag.2018.05.009>.
- A32) FM Caputo, P Prebianca, A Carcangiu, LD Spano, A Giachetti **Comparing 3D trajectories for simple mid-air gesture recognition** *Computers & Graphics* 73, 17-25 2018
- A31) D Mendes, FM Caputo, A Giachetti, A Ferreira, J Jorge **A Survey on 3D Virtual Object Manipulation: From the Desktop to Immersive Virtual Environments** *Computer Graphics Forum* 38:1 21-45 2019
- A30) FM Caputo, M Emporio, A Giachetti, **The Smart Pin: an effective tool for object manipulation in immersive virtual reality environments** *Computers & Graphics* 2018
- A29) A Giachetti, I Ciortan, C Daffara, G Marchioro, R Pintus, E Gobbetti **A Novel Framework for Highlight Reflectance Transformation Imaging** *Computer Vision and Image Understanding* 168 Issue C, pages 118-131, March 2018
- A28) S Biasotti, A Giachetti, M Tarini **Foreword to the Special Section on Smart Tools and Applications in Computer Graphics 2015** *Computers & Graphics* 60, A3-A4 (2016)
- A27) Giachetti A, Isaia L. Garro, V **Multiscale descriptors and metric learning for human body shape retrieval** *The Visual Computer* 32(6-8): 693-703 (2016)
- A26) Garro, V., Giachetti, A., **Scale space graph representation and kernel matching for non rigid and textured 3D shape retrieval** «*IEEE Transactions on Pattern Analysis and Machine Intelligence*» 38(6): 1258-1271 (2016)
- A25) David Pickup, Xianfang Sun, Paul L. Rosin, Ralph R. Martin, Z. Cheng, Zhouhui Lian, Masaki Aono, A. Ben Hamza, Alexander M. Bronstein, Michael M. Bronstein, S. Bu, Umberto Castellani, S. Cheng, Valeria Garro, Andrea Giachetti, Afzal Godil, Luca Isaia, J. Han, Henry Johan, L. Lai, Bo Li, C. Li, H. Li, Roe Litman, X. Liu, Z. Liu, Y. Lu, L. Sun, Gary K. L. Tam, Atsushi Tatsuma, J. Ye: **Shape Retrieval of Non-rigid 3D Human Models**. *International Journal of Computer Vision* 120(2): 169-193 (2016)
- A24) Biasotti, S.; Cerri, A.; Aono, M.; Hamza, A. Ben; Garro, V.; Giachetti, A.; Giorgi, D.; Godil, A.; Li, C.; Sanada, C.; Spagnuolo, M.; Tatsuma, A.; Velasco-Forero, S., **Retrieval and classification methods for textured 3D models: a comparative study** «*THE VISUAL COMPUTER*», Volume 32, Issue 2, pp 217-241, 2016
- A23) Asuni, Nicola; Giachetti, Andrea, **TESTIMAGES: A Large Data Archive For Display and Algorithm Testing** «*JOURNAL OF GRAPHICS TOOLS*», vol. 17, n. 4, 2013, pp. 113-125
- A22) Giachetti A, Lovato C, Piscitelli F, Milanese C, Zancanaro C, **Robust automatic measurement of 3D scanned**

models for human body fat estimation. «IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS» , 19 (2), 660-667 (2015)

A21) Andrea Giachetti, Lucia Ballerini, Emanuele Trucco, **Accurate and reliable segmentation of the optic disc in digital fundus images** «JOURNAL OF MEDICAL IMAGING» , vol. 1 , n. 2 , 2014, pp. 1-11, SPIE

A20) Christian Lovato, Umberto Castellani, Carlo Zancanaro, Andrea Giachetti, **Automatic labelling of anatomical landmarks on 3D body scans** «GRAPHICAL MODELS» , vol. 76 , 2014, pp. 648-657 Elsevier

A19) C Milanese, A Giachetti, V Cavedon, F Piscitelli, C Zancanaro **Digital three-dimensional anthropometry detection of exercise-induced fat mass reduction in obese women**, Sport Sciences for Health, 2014, pp. 1-5 Elsevier.

A18) A. Giachetti, L. Ballerini, E. Trucco, P.J. Wilson, **The use of radial symmetry to localize retinal landmarks** «COMPUTERIZED MEDICAL IMAGING AND GRAPHICS» , vol. 37 , n. 5-6 , 2013, pp. 369-376, Elsevier.

A17) Andrea Giachetti, Christian Lovato **Radial Symmetry Detection and Shape Characterization with the Multiscale Area Projection Transform**. COMPUTER GRAPHICS FORUM, vol. 31, p. 1669-1678, ISSN: 0167-7055, doi: 10.1111/j.1467-8659.2012.03172.x (2012) Blackwell Publishing

A16) Giachetti, A. Asuni, N. **Real-Time Artifact-Free Image Upscaling** IEEE Transactions on Image Processing, Volume 20, Number 10, pp. 2760 - 2768 Oct. 2011 IEEE Computer Society Press

A15) M. Agus, F. Bettio, A. Giachetti, E. Gobbetti, J.A. Iglesias Guitián, F.Marton, J. Nilsson, and G. Pintore. **An interactive 3D medical visualization system based on a light field display**. The Visual Computer, 25, 2009.

A14) R. Mongeau, M.A. Casu, L. Pani, G. Pillolla, L. Lianas, A. Giachetti, **Building a virtual archive using brain architecture and Web 3D to deliver neuropsychopharmacology content over the Internet**. Comp. methods and programs in biomedicine, Elsevier, 90(2):124-36, (2008)

A13) A. Giachetti and G. Zanetti, **Vascular Modeling from Volumetric Diagnostic Data: A Review** Current Medical Imaging Reviews Volume 2, Number 4, November 2006 pp. 415-423

A12) E. Neri, I. Bargellini, M.I Rieger, A. Giachetti, C. Vignali, M. Tuveri, W. Jaschke, C. Bartolozzi. **Abdominal aortic aneurysms: virtual imaging and analysis through a remote web server**. European Radiology, Volume 15, Number 2, pp. 348 - 352, Feb.2005 Springer Verlag

A11) P.Boi, M. Marrocu, A.Giachetti, **Rainfall estimation from infrared data using an improved version of the Auto-Estimator Technique** Int. J. on Remote Sensing, 25,: 21, 4657-4673 (2004), Taylor&Francis

A10) M. Agus, A. Giachetti, E. Gobbetti, G.Zanetti, and A. Zorcolo, **Real-time Haptic and Visual Simulation of Bone Dissection**, Presence: Teleoperators and Virtual Environments, 12:1, 110-122 (2003) MIT Press

A9) A. Giachetti, M. Tuveri and G. Zanetti, **Reconstruction and Web Distribution of Measurable Arterial Models** Medical Image Analysis, 7,1:79-93 March 2003, Elsevier

A8) M. Agus, A. Giachetti, E. Gobbetti, G. Zanetti, A.Zorcolo. **A multiprocessor decoupled system for the simulation of temporal bone surgery**. Computing and Visualization in science, vol. 5 n. 1, pp. 35-43, 2002, Springer

A7) D. Zoccolan, A. Giachetti and V. Torre, **The use of Videomicroscopy and Computer Vision to monitor muscle contraction**. J. Neuroscience Methods 180 65-80 (2001), Elsevier Science B V

A6) A. Giachetti, **"Matching Techniques to compute Image Motion"** Image and Vision Computing,18:3 245-258(2000) Elsevier Science, NL

A5) G..Abdulaev, S.Cadeddu, G.DeLussu, M.Donizelli, L.Formaggia, A. Giachetti, E.Gobbetti, A. Leone, C. Manzi, P.Pili, A.Scheinine, M. Tuveri, A.Varone, A.Veneziani,G.Zanetti and A.Zorcolo, **ViVa: The Virtual Vascular Project**. IEEE trans. on Information Technology in medicine, 14: 1 34--48 (1998). IEEE Computer Society Press

A4) A. Giachetti **On line analysis of Echocardiographic Image Sequences**. Medical Image Analysis 2(3) 261-284 (1998), Oxford University Press

A3) A. Giachetti, M. Campani & V. Torre, **"The Use of Optical Flow for Road Navigation"** IEEE trans. on Robotics and Automation 14:1 34--49 (1998). IEEE Computer Society Press

A2) A. Giachetti & V. Torre, **The use of optical flow for the analysis of non-rigid motion**. International Journal of Computer Vision, 18-3 255-279 (1996), Kluwer Academic Press Norwell, MA, USA

A1) A.Giachetti, M. Campani & V. Torre, **Optic Flow and Autonomous Navigation**. Perception vol.24, 253--267 (1995), Pion LTD

Conference papers and book chapters

B118) Deborah Pintani, Ariel Caputo, Daniel Mendes and Andrea Giachetti **CIDER: Collaborative Interior Design in Extended Reality** proc. CHITALY 2023, Turin, September 20-22

B117) Caputo, A, Zancanaro, M., Giachetti, A. **Eyes on teleporting: comparing locomotion techniques in Virtual Reality with respect to presence, sickness and spatial orientation** (2023) In *Human-Computer Interaction-INTERACT 2023*, York, UK

B116) Cunico, F., Emporio, M., Girella, F., Giachetti, A., Avogaro, A., & Cristani, M. (2023). **OO-dMVM: A Deep Multi-view Multi-task Classification Framework for Real-time 3D Hand Gesture Classification and Segmentation**. In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition* (pp. 2744-2753).

- B115)** Valerio Albano, Filippo Andrea Fanni, Andrea Giachetti, Fabio Pellacini (2023) **FloralSurf: Space-Filling Geodesic Ornaments**, Proceedings Eurographics Symposium on Rendering, June 28-30 2023, Delft
- B114)** Leonardo Righetto, Arianna Traviglia, Enrico Gobbetti, Federico Ponchio, Andrea Giachetti, **Ancient coins' surface inspection with web-based neural RTI visualization** proc. SPIE Optics for Arts, Architecture, and Archaeology (O3A) IX, Munich, 2023
- B113)** Filippo Andrea Fanni, Elisa De Rossi, Andrea Giachetti: **Outside-in Priority-based Approximation of 3D Models in LEGO Bricks**. In Smart Tools and Apps for Graphics - Eurographics Italian Chapter Conference STAG 2022: 57-67
- B112)** Fanni, Filippo Andrea; Dal Bello, Alberto; Sbardellini, Simone; Giachetti, Andrea **Approximating Shapes with Standard and Custom 3D Printed LEGO Bricks**. DOI:10.2312/stag.20211487. pp.175-179. In Smart Tools and Apps for Graphics - Eurographics Italian Chapter Conference 2021
- B111)** Emporio M., Caputo A., Giachetti A., **STRONGER: Simple TRajjectory-based ONline GESture Recognizer**. DOI:10.2312/stag.20211481. pp.109-117. In Smart Tools and Apps for Graphics - Eurographics Italian Chapter Conference - 2021
- B110)** Caputo, A., Giachetti, A., Abkal, S., Marchesini, C., Zancanaro, M. **Real vs Simulated Foveated Rendering to Reduce Visual Discomfort in Virtual Reality** (2021) In *Human-Computer Interaction-INTERACT 2021: 18th IFIP TC 13 International Conference, Bari, Italy, August 30-September 3, 2021, Proceedings, Part V*, pp. 177-185. 2021.
- B109)** Ciortan, I.-M., Giachetti, A., George, S., Hardeberg, J.Y. (2021) **Fluorescence transformation imaging** Proceedings of SPIE - The International Society for Optical Engineering, 11784, art. no. 1178416,
- B108)** Godi, Marco; Joppi, Christian; Giachetti, Andrea; Cristani, Marco **SIMCO: SIMilarity-Based Object Counting** ICPR 2020
- B107)** Dulecha, Tinsae Gebrechristos and Pintus, Ruggero and Gobbetti, Enrico and Giachetti, Andrea **SynthPS: a Benchmark for Evaluation of Photometric Stereo Algorithms for Cultural Heritage Applications** EUROGRAPHICS Workshop on Graphics and Cultural Heritage (GCH) 2020 13-22
- B106)** A Caputo, S Jacota, S Krayevskyy, M Pesavento, F Pellacini, A Giachetti **XR-Cockpit: a comparison of VR and AR solutions on an interactive training station** 25th IEEE International Conference on Emerging Technologies and Factory (ETFA 2020), Wien, 603-610 (2020)
- B105)** Giachetti, A, Biasotti, S, Moscoso Thompson, E., Fraccarollo L et al **SHREC 2020 Track: River Gravel Characterization** Eurographics Workshop on 3D Object Retrieval. The Eurographics Association 2020
- B104)** Mandy Keck, Dietrich Kammer, Alfredo Ferreira, Andrea Giachetti, and Rainer Groh. 2020. **VIDEM 2020: Workshop on Visual Interface Design Methods**. In *Proceedings of the International Conference on Advanced Visual Interfaces* ACM, 2020
- B103)** A.Jaspe Villanueva, E. Gobbetti, A.Giachetti **Web-based Multi-layered Exploration of Annotated Image-based Shape and Material Models** EUROGRAPHICS Workshop on Graphics and Cultural Heritage (GCH) 2019 – Sarajevo, Bosnia and Herzegovina, November 6 – 9, 2019 pp. 33-42 Best paper award
- B102)** TG Dulecha, I. Ciortan, R. Pintus, A.Jaspe Villanueva, E. Cobbetti, A.Giachetti **Crack Detection in Single and Multi-Light Images of Painted Surfaces using Convolutional Neural Networks** EUROGRAPHICS Workshop on Graphics and Cultural Heritage (GCH) 2019 Sarajevo, Bosnia and Herzegovina, November 6 – 9, 2019 pp.43-50
- B101)** A. Caputo, F. Borin A. Giachetti **A Comparison of Navigation Techniques in a Virtual Museum Scenario** EUROGRAPHICS Workshop on Graphics and Cultural Heritage (GCH) 2019 Sarajevo, Bosnia and Herzegovina, November 6 – 9, 2019 pp.51-58
- B100)** Marco Godi, Christian Joppi, Andrea Giachetti, Fabio Pellacini, Marco Cristani: **Texel-Att: Representing and Classifying Element-based Textures by Attributes**. BMVC (2019) (oral)
- B99)** C Joppi, M Godi, A Giachetti, F Pellacini, M Cristani **Texture Retrieval in the Wild through detection-based attributes** International Conference on Image Analysis and Processing, 2019 522-533
- B98)** F. M. Caputo, S. Burato, G. Pavan, T. Voillemain, H. Wannous, J. P. Vandeborre, M. Maghoumi, E. M. Taranta II, A. Razmjoo, J. J. LaViola Jr., F. Manganaro, S. Pini, G. Borghi, R. Vezzani, R. Cucchiara, H. Nguyen, M. T. Tran, and A. Giachetti **Online Gesture Recognition**, proc. Eurographics Workshop on 3D Object Retrieval, 2019
- B97)** F Langenfeld, A Axenopoulos, H Benhabiles, P Daras, A Giachetti, et al. **Protein Shape Retrieval Contest** proc. Eurographics Workshop on 3D Object Retrieval, 2019
- B96)** Ciortan, I. M., Pintus, R., Marchioro, G., Daffara, C., Gobbetti, E., & Giachetti, A. (2018). **A DICOM-inspired metadata architecture for managing multimodal acquisitions in Cultural Heritage**. In *Digital Cultural Heritage* (pp. 37-49). Springer, Cham
- B95)** Pintus, Ruggero, Dulecha, Tinsae Gebrechristos, Jaspe Villanueva, Alberto, Giachetti, Andrea Ciortan, Irina Mihaela, Gobbetti, Enrico **Objective and Subjective Evaluation of Virtual Relighting from Reflectance Transformation Imaging Data** proc. EUROGRAPHICS Workshop on Graphics and Cultural Heritage (GCH) 2018
- B94)** Ciortan, Irina Mihaela, Pintus, Ruggero, Gobbetti, Enrico, Giachetti, Andrea **Aging Prediction of Cultural Heritage Samples Based on Surface Microgeometry** proc. EUROGRAPHICS Workshop on Graphics and Cultural Heritage (GCH) 2018
- B93)** Marco Carletti; Marco Cristani; Valentina Cavedon; Chiara Milanese; Carlo Zancanaro; Andrea Giachetti

Analyzing body fat from depth images proc. Int. Conf. on 3D Vision (3DV) Verona, 2018

B92) F. M. Caputo, D. Mendes, A. Bonetti, G. Saletti and A. Giachetti, "**Smart Choices for Deviceless and Device-Based Manipulation in Immersive Virtual Reality**," *2018 IEEE Conference on Virtual Reality and 3D User Interfaces (VR)*, Tuebingen/Reutlingen Germany, 2018, pp.1-2. doi: 10.1109/VR.2018.8446598

B91) Silvia Biasotti, E Moscoso Thompson, L Barthe, S Berretti, A Giachetti, Thibault Lejemble, Nicolas Mellado, K Moustakas, Iason Manolas, Dimitrios Dimou, C Tortorici, Santiago Velasco-Forero, N Werghi, M Polig, G Sorrentino, S Hermon **Recognition of Geometric Patterns Over 3D Models** Proc. Eurographics 3DOR 2018

B90) Florent Langenfeld, Apostolos Axenopoulos, Anargyros Chatzitofis, Daniela Craciun, Petros Daras, Bowen Du, Andrea Giachetti, Yu-kun Lai, Haisheng Li, Yingbin Li, Majid Masoumi, Yuxu Peng, Paul L Rosin, Jeremy Sirugue, Li Sun, Spyridon Thermos, Matthew Toews, Yang Wei, Yujuan Wu, Yujia Zhai, Tianyu Zhao, Yanping Zheng, Matthieu Montes **SHREC 2018-Protein Shape Retrieval** Proc. Eurographics 3DOR 2018

B89) Irina M Ciortan, Tinsae G Dulecha, Andrea Giachetti, Ruggero Pintus, Alberto Jaspe-Villanueva, Enrico Gobbetti **Artworks in the spotlight: characterization with a multispectral LED dome** IOP Conference Series: Materials Science and Engineering 364 (1), 012025

B88) Fabio Marco Caputo, Marco Emporio and Andrea Giachetti. **The Smart Pin: A Novel Object Manipulation Technique for Immersive Virtual Environments** VRST '17- Proceedings of the 23rd ACM Symposium on Virtual Reality Software and Technology, Gothenburg November 08 - 10, 2017

B87) Fabio Marco Caputo, Pietro Prebianca, Alessandro Carcangiu, Lucio D. Spano, and Andrea Giachetti **A 3 Cent Recognizer: Simple and Effective Retrieval and Classification of Mid-air Gestures from Single 3D Traces**- EG Smart Tools and Apps in Computer Graphics 2017 – Catania, Sept 11-12 2017 - *Best paper award*

B86) Fabio Marco Caputo, Marco Emporio, and Andrea Giachetti **Single-Handed vs. Two Handed Manipulation in Virtual Reality: A Novel Metaphor and Experimental Comparisons** – EG Smart Tools and Apps in computer Graphics 2017 – Catania, Sept 11-12 2017

B85) A Giachetti, I Ciortan, C Daffara, R Pintus, E Gobbetti **Multispectral RTI analysis of heterogeneous artworks** proc. GCH 2017 Graz, The Eurographics Association - *Best paper award*

B84) R Pintus, A Giachetti, G Pintore, E Gobbetti. **Guided Robust Matte-Model Fitting for Accelerating Multi-light Reflectance Processing** Technique Proc. BMVC 2017, British Machine Vision Association

B83) FA Limberger, RC Wilson, M Aono, N Audebert, A Boulch, B Bustos, ... A. Giachetti et al. **SHREC'17 Track: Point-Cloud Shape Retrieval of Non-Rigid Toys** proc. 10th Eurographics workshop on 3D Object retrieval, Lyon 2017

B82) S Biasotti, EM Thompson, M Aono, AB Hamza, B Bustos, S Dong, B Du, ...and A. Giachetti **Shrec'17 Track: Retrieval of surfaces with similar relief patterns** 10th Eurographics Workshop on 3D Object Retrieval

B81) R Pintus, I Ciortan, A Giachetti, E Gobbetti **Practical Free-form RTI Acquisition with Local Spot Lights** Proc. Smart Tools and Apps in Computer Graphics (STAG'16), Genova, Oct. 3-4, 2016

B80) Ciortan, I., Pintus, R., Marchioro, G., Daffara, C., Giachetti, A., & Gobbetti, E. **A Practical Reflectance Transformation Imaging Pipeline for Surface Characterization in Cultural Heritage**. Proc. GCH 2016 Genova, Oct. 5-7, 2016

B79) Caputo, F. M., Ciortan, I. M., Corsi, D., De Stefani, M., & Giachetti, A. (2016). **Gestural interaction and navigation techniques for virtual museum experiences**. proc. Advanced Visual Interfaces for Cultural Heritage (AVI*CH 2016), Bari, Italy, 7-10 June 2016.

B78) A. Giachetti, F. Fornasa, F. Parezan, A. Saletti, L. Zambaldo, L. Zanini, F. Achilles, A. E. Ichim, F. Tombari, N. Navab, S. Velasco-Forero **Shrec'16 Track: Retrieval of Human Subjects from Depth Sensor Data** Proc. 3DOR 2016, Lisbon

B77) Giachetti, Andrea; Caputo, Fabio Marco; Spano, Lucio Davide; Scateni, Riccardo; Carcangiu, Alessandro; **Position paper: Shape Retrieval and 3D Gestural Interaction** Proc. 3DOR 2016, Lisbon

B76) Caputo, Fabio Marco; Giachetti, Andrea, **Evaluation of basic object manipulation modes for low-cost immersive Virtual Reality**, proc."CHIItaly 2015", Roma, September 28-30, 2015 ACM,pp.74-77

B75) E Trucco, A Giachetti, L Ballerini, D Relan, A Cavinato, T MacGillivray **Morphometric Measurements of The Retinal Vasculature in Fundus Images with Vampire** Biomedical Image Understanding, Methods and Applications, 91-111 John Wiley & Sons, Inc

B74) A Giachetti, C Daffara, C Reghelin, E Gobbetti, R Pintus **Light calibration and quality assessment methods for Reflectance Transformation Imaging applied to artworks' analysis** SPIE Optical Metrology, 95270B-95270B-10, Munchen, June 2015

B73) A. Giachetti; F. Farina; F. Fornasa; A. Tatsuma; C. Sanada; M. Aono; S. Biasotti; A. Cerri; S. Choi, **Retrieval of Non-rigid (textured) Shapes Using Low Quality 3D Models** in proc. "Eurographics Workshop on 3D Object Retrieval" , Zurich , 2015 , 2015, pp. 137-144

B72) Z. Lian;J. Zhang;S. Choi;H. ElNaghy;J. El-Sana;T. Furuya;A. Giachetti;R. A. Guler;L. Lai;C. Li;H. Li;F. A. Limberger;R. Martin;R. U. Nakanishi;A. P. Neto;L. G. Nonato;R. Ohbuchi;K. Pevzner;D. Pickup;P. Rosin;A. Sharf;L. Sun;X. Sun;S. Tari;G. Unal;R. C. Wilson, **Non-rigid 3D Shape Retrieval** proc. "Eurographics Workshop on 3D Object Retrieval" , Zurich , 2015 , 2015 , pp. 107-120

- B71)** C.Lovato, E.Bissolo, N.Lanza, A.Stella, A.Giachetti, **A low cost and easy to use setup for foot scanning** In: 5th International Conference on 3D Body Scanning Technologies. Lugano, 2014
- B70)** P. Erbizzi, G. Bronzato, S.F. Storti, A. Giachetti, P. Manganotti, G. Menegaz, **Towards the assessment of motor network's behavioral correlates by Video-EEG** proc. "IEEE International Conference on Healthcare Informatics (IHCI 2014)", Verona, Italy, Sept. 15-17, 2014, 2014, pp. 1-1
- B69)** A. Giachetti, E. Mazzi, F. Piscitelli, M. Aono, A. B. Hamza, T. Bonis, P. Claes, A. Godil, C. Li, M. Ovsjanikov, V. Patraucean, C. Shu, J. Snyders, P. Suetens, A. Tatsuma, D. Vandermeulen, S. Wuhrer, P. Xi, **Automatic Location of Landmarks used in Manual Anthropometry**, proc. "Eurographics Workshop on 3D Object Retrieval", Strasbourg, France, April 6, 2014, Eurographics Association, pp. 93-100
- B68)** V. Garro, A. Giachetti, **TreeSha: 3D Shape Retrieval with a Tree Graph Representation based on the Autodiffusion Function Topology**, proc. "Eurographics Workshop on 3D Object Retrieval", Strasbourg, France, April 6, 2014, Eurographics Association, pp. 17-24
- B67)** S. Biasotti, A. Cerri, M. Abdelrahman, M. Aono, A. B. Hamza, M. El-Melegy, A. Farag, V. Garro, A. Giachetti, D. Giorgi, A. Godil, C. Li, Y. Liu, H. Y. Martono, C. Sanada, A. Tatsuma, S. Velasco-Forero, C. Xu, **Retrieval and Classification on Textured 3D Models**, proc. "Eurographics Workshop on 3D Object Retrieval", Strasbourg, France, April 6, 2014, Eurographics Association, pp. 111-120
- B66)** D. Pickup, X. Sun, P. L. Rosin, R. R. Martin, Z. Cheng, Z. Lian, M. Aono, A. B. Hamza, A. Bronstein, M. Bronstein, S. Bu, U. Castellani, S. Cheng, V. Garro, A. Giachetti, A. Godil, J. Han, H. Johan, L. Lai, B. Li, C. Li, H. Li, R. Litman, X. Liu, Z. Liu, Y. Lu, A. Tatsuma, J. Ye, **Shape Retrieval of Non-Rigid 3D Human Models**, proc. "Eurographics Workshop on 3D Object Retrieval", Strasbourg, France, 2014, Eurographics Association, pp. 101-110
- B65)** Valeria Garro, Andrea Giachetti, **A Tracking Approach for the Skeletonization of Tubular Parts of 3D Shapes in Modeling & Visualization**, Eurographics Association, proc. "VMV 2013: Vision, Modeling & Visualization", Lugano, Switzerland, September 11-13, 2013, pp. 73-80
- B64)** Andrea Giachetti, Christian Lovato, **Centers of Approximate Spherical Symmetry and Radial Symmetry Graphs** in «EUROGRAPHICS TECHNICAL REPORT SERIES» Eurographics Association, proc. "EG 2013 - Short Papers" Girona, Spain, May 6-10, 2013, pp. 13-15
- B63)** Cristian Brognara, Massimiliano Corsini, Matteo Dellepiane, Andrea Giachetti, **Edge Detection on Polynomial Texture Maps** in «LECTURE NOTES IN COMPUTER SCIENCE» vol. 8156 Springer Verlag Germany in Lecture Notes in Computer Science Image Analysis and Processing – ICIAP 2013, Berlin Heidelberg, Springer Verlag Germany, pp. 482-491
- B62)** E. Trucco, L. Ballerini, D. Relan, A. Giachetti, T. MacGillivray, K. Zutis, C. Lupascu, D. Tegolo, E. Pellegrini, G. Robertson, P.J. Wilson, A. Doney, B. Dhillon, **Novel VAMPIRE algorithms for quantitative analysis of the retinal vasculature**. proc. "4th IEEE Biosignals and Biorobotics Conference (ISSNIP/BRC)" Rio de Janeiro, Brasil, 2013, 2013, IEEE COMPUTER SOCIETY PRESS, pp. 1-4
- B61)** M. Annichini, R. Arena, M. Fanini, M. Fattorel, D. Pavei, D. Tasson, V. Garro, C. Lovato, A. Giachetti, **Shape processing for digital anthropometry**, proc. "CG Libs Smart Libraries for Computer Graphics", Pisa, 3-5 Luglio 2013, 2013, pp. 1-2
- B60)** V. Cavedon, F. Piscitelli, C. Lovato, C. Milanese, A. Giachetti, C. Zancanaro, **Multimodal imaging techniques in sport** in «SPORT SCIENCES FOR HEALTH» vol. 8 n. 1, proc. "IV National Congress-Italian Society of Movement and Sport Sciences", Palermo, 5-7 October, 2012, pp. 58-59
- B59)** Giachetti A., Castellani U., Lovato C., Zancanaro C. (2012). **Robust Automatic Labelling of Anatomical Landmarks on 3D Body Scans**. In: 3rd International Conference on 3D Body Scanning Technologies. Lugano, 16-17 October, 2012, p. 127-132, ISBN: 9783033036512
- B58)** T. J. MacGillivray, A. Perez-Rovira, E. Trucco, K. S. Chin, A. Giachetti, C. A. Lupascu, D. Tegolo, P. J. Wilson, A. Doney, A. Laude, B. Dhillon (2012). **VAMPIRE: Vessel Assessment and Measurement Platform for Images of the Retina**. In: -. Multi-Modality State-of-the-Art: human Eye Imaging and Modeling. vol. Topics in Biomedical Engineering Series, CRC Press, ISBN: 9781439869932
- B57)** A. Giachetti, A. Zamperini, E. Trucco, K. S. Chin (2012). **Effective features for artery-vein classification in digital fundus images**. In: IEEE International Symposium on Computer-Based Medical Systems. Roma, 20-22 June 2012
- B56)** C. Lovato, C. Milanese, F. Piscitelli, C. Zancanaro, A. Giachetti; **Health-related shape analysis of 3D body scanner data** 2nd International Conference on 3D Body Scanning Technologies, Lugano, Switzerland, 25-26 October 2011
- B55)** Zancanaro C., Milanese C., Lovato C., Giachetti A. (2011). **Reliability of the Breuckmann bodyscan for 3D anthropometric measurement** JOURNAL OF SPORTS MEDICINE AND PHYSICAL FITNESS, In: 3rd National Congress-Italian Society of Movement and Sport Sciences. Verona, 29 September/01 October 2011, vol. 51, p. 52-53, ISSN: 0022-4707
- B54)** Andrea Giachetti; Khai Chin; Trucco Manuel; Caroline Cobb; Peter Wilson; **Multiresolution Localization and Segmentation of the Optical Disc in Fundus Images Using Inpainted Background and Vessel Information** International Conference on Image Processing (ICIP) Brussels, September 11-14 2011

- B53)** Perez-Rovira A ; MacGillivray T; Trucco E; Chin K.S.; Zutis K;Lupascu C; Tegolo D.; Giachetti A.; Wilson PJ.; Doney A; Dhillon B. **VAMPIRE: Vessel Assessment and Measurement Platform for Images of the Retina** 33rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), 2011, Boston (MA) USA
- B52)** C. Lovato, C. Zancanaro, U. Castellani, A. Giachetti, **Heat diffusion approach for feature-based body scans analysis in3D Object Retrieval** 2011 a cura di H. Laga, T. Schreck, A. Ferreira, A. Godil ,Eurographics Association, proc. "Eurographics Workshop on 3D Object Retrieval", Llandudno, UK, April 10, 2011, 2011, pp.33-40
- B51)** Andrea Giachetti, J. A. Iglesias Guitián, Enrico Gobbetti, **Edge Adaptive and Energy Preserving Volume Upscaling for High Quality Volume Rendering**, proc. "Eurographics Italian Chapter Conference 2010", Genova. 18-19 Novembre 2010, 2010, Dieter Fellner ed., Eurographics Association Postfach 8043, 38621 Goslar, Germany, pp.17-23
- B50)** Lovato C., Castellani U., Zancanaro C., Giachetti A., **Geometrical processing of 3D body scanner data for anthropometric applications**, proc. "3D Body Scanning Technologies" , Lugano, 19-20 Ottobre, 2010 ,a cura di N.D'Apuzzo, pp. 341-348
- B49)** Andrea Giachetti, **Irradiance Preserving Image Interpolation**, proc. "20th International Conference on Pattern Recognition", Istanbul, Turkey, August 23-26, 2010 , 2010
- B48)** C. Lovato, U.Castellani, S. Fantoni, C. Milanese, C. Zancanaro, A. Giachetti **Computer assisted estimation of anthropometric parameters from whole body scanner data** Workshop on 3D Physiological Human (3DPH) 2009 Springer, LNCS 5903
- B47)** C. Lovato, U. Castellani and A.Giachetti **Automatic segmentation of scanned human body using curve skeleton analysis** proc. Mirage 2009, Springer, LNCS, 2009
- B46)** M. Agus, A. Giachetti, E. Gobbetti, J.A. Iglesias Guitián, J. Nilsson, G.Pintore and G. Zanetti. **Implementation and evaluation of an interactive volume visualization system on a lightfield display.** Workshop on 3D Physiological Human, Zermatt December 2008.
- B45)** A. Fusiello, U. Castellani, E.Puppo, R. Scateni, G. M. Cortelazzo, A. Giachetti, S. Mizzaro, F. Odone, E. Delponte, P. Zanuttigh **3 SHIRT: Three Dimensional Shape Indexing and Retrieval Techniques** proc. Eurographics Italian Chapter, 2008
- B44)** E. Gobbetti, A. Giachetti, J. A. Iglesias Guitián, M. Agus, F. Marton, **Towards advanced volumetric display of the human musculoskeletal system** proc. Eurographics Italian Chapter, 2008
- B43)** A. Giachetti and N. Asuni, **Fast Artifact-free Image Interpolation**, In Proceedings British Machine Vision Conference, 2008
- B42)** N.Asuni and A. Giachetti, **Accuracy improvements and artifacts removal in edge based image interpolation.** In Proceedings 3rd International Conference on Computer Vision Theory and Applications (VISAPP'08)
- B41)** N. Magnenat-Thalmann, B. Gilles, H. Delingette, A. Giachetti and M. Agus, **Towards the virtual physiological human**, Eurographics 2007, Prague, Tutorial notes, pp.125-172
- B40)** F.Bettio, A. Giachetti, E. Gobbetti, F. Marton, G. Pintore, **A practical vision based approach to unencumbered direct spatial manipulation in virtual worlds**, Proc. Eurographics, Italian Chapter, Trento, Feb.14-16, 2007
- B39)** A. Giachetti, C. Melis and B. Podda, **Improving feature extraction methods for ct texture analysis**, proc. 9th IASTED Conf. on Computer Graphics and Imaging, Innsbruck, Feb. 13-15 2007
- B38)** F. Bettio, F. Frexia, A. Giachetti, E. Gobbetti, G. Pintore, G. Zanetti, T. Balogh, T. Forgács, T.Agocs, E. Bouvier **A Holographic Collaborative Medical Visualization System** in *Medicine Meets Virtual Reality 2006*, (J.D.Westwood, ed.), (IOS Press Amsterdam), Jan. 2006
- B37)** N.Pietroni, A.Giachetti, F.Ganovelli, **Robust segmentation of anatomical structures with deformable surfaces and marching cubes**.Proc. VRIPHYS 2005, Pisa
- B36)** A. Giachetti and B. Podda, **Texture analysis of CT images for vascular segmentation: a revised Run Length approach** proc. ICIAP 2005, Cagliari
- B35)** F. Bettio, F. Frexia, A. Giachetti, E. Gobbetti, G. Pintore and G. Zanetti, **3D functional models of monkey brain through elastic registration of histological sections.** Proc. ICIAP 2005, Cagliari, Sept. 2005, Springer LNCS
- B34)** N. Pietroni, F. Ganovelli and A. Giachetti, **"Robust segmentation of anatomical structures with 3D active contours and marching cubes.** Proc. Computer Assisted Radiology and Surgery 2005, Berlin Elsevier Science ICS series 1281 p. 1278 (2005)
- B33)** B. Podda, G. Zanetti and A. Giachetti, **"Texture analysis for vascular segmentation from CT images"** proc. Computer Assisted Radiology and Surgery 2005, Berlin Elsevier Science ICS series 1281, pp. 206-2111 (2005)
- B32)** M. Agus, A. Giachetti, E. Gobbetti, G.Zanetti, and A.Zorcolo, **Hardware-Accelerated Dynamic Volume Rendering for Real Time Surgical Simulation** Workshop on Virtual Reality Interactions and Physical Simulation, Colima, Mexico (2004)
- B31)** S. Manca, L. Leoni, A. Giachetti and G. Zanetti, **A Virtual Data Grid Architecture for Medical Data using SRB** proc. Europacs 2004, Trieste, 15-18/9
- B30)** Andrea Giachetti and Gianluigi Zanetti **Reconstruction Of Complex Vascular Structures From CT Data** proc. ICMMB 2004, Bologna16-18/9/2004

- B29) A. Giachetti and G. Zanetti, **AQUATICS reconstruction software: the design of a diagnostic tool based on computer vision algorithms**. Proc. ECCV 2004 CVAMIA Workshop, Prague 15 May 2004, Springer LNCS.
- B28) M. Agus, G. Brelstaff, A. Giachetti, E. Gobbetti, G. Zanetti, A. Zorcolo, B. Picasso, and S. Sellari Franceschini. **Physics-based burr haptic simulation: tuning and evaluation**. In *Proceedings IEEE Haptics*. IEEE Computer Society Press, April 2004.
- B27) M. Agus, A. Giachetti, E. Gobbetti, G. Zanetti, and A. Zorcolo. **Adaptive techniques for real-time haptic and visual simulation of bone dissection**. In *IEEE Virtual Reality Conference*, pp.102-109. IEEE Computer Society Press, March 2003.
- B26) A. Giachetti, S.Manca, F.Frexia, **Distributed measurement and reporting system for surgical planning** Proc. Computer Assisted Radiology and Surgery 2003 London, pp. 828-834 Elsevier Science LTD
- B25) M. Agus, A. Giachetti, E. Gobbetti, G. Zanetti, and A. Zorcolo, **Tracking the movements of surgical tools in temporal bone dissection simulator** Proc. IST4M 2003, Juan Les Pins, LLNCS 2673, Springer Verlag
- B24) A.Giachetti, G.Zanetti, **3D reconstruction of large tubular geometries from 3D data** Proc. IST4M 2003, Juan Les Pins, LLNCS 2673, Springer Verlag
- B23) M. Agus, A. Giachetti, E. Gobbetti, B. Picasso, St. Sellari Franceschini, G. Zanetti, and A. Zorcolo, **A haptic model of a bone-cutting burr**, in *Medicine Meets Virtual Reality 2003*, (J. D. Westwood, ed.), (Amsterdam, The Netherlands), Jan. 2003
- B22) Boi, P. Marrocu, M, Giachetti, A. **A possible improvement to auto-estimator technique** EGS XXVII General Assembly, Nice, 21-26 April 2002, abstract #3650
- B21) M. Agus, A. Giachetti, E. Gobbetti, G.Zanetti, and A. Zorcolo, **Haptic Simulation of Bone Dissection**, in *Abstract -- SIMAI 2002 Symposium on Computational Mechanics*, Chia, CA, Italy, May 27--31, 2002.
- B20) A. Giachetti, M. Agus, E.Gobbetti, and G. Zanetti, **Blood, dust and mud for a temporal bone surgical simulator**, in *Proc. of the 5th Conference of the European Society of Mathematical and Theoretical Biology, Poster sessions*, Milan, Italy, July 2--6, 2002
- B19) M. Agus, A. Giachetti, E. Gobbetti, G. Zanetti, and A. Zorcolo, **Un sistema multiprocessore per la simulazione della chirurgia sull'osso temporale**, in *Proceedings of the Second MIMOS Conference*, Turin, Italy, October 28--29, 2002
- B18) A. Giachetti, G.Zanetti, **Distributed quantitative evaluation of 3D patient specific arterial models** In IEEE 3DPVT Conference Padova, June 16-19 2002. IEEE Computer Society Press
- B17) M. Agus, A. Giachetti, E.Gobbetti, G.Zanetti, and A. Zorcolo. **Real-time haptic and visual simulation of bone dissection**. In *IEEE Virtual Reality Conference*, Conference held in Orlando, FL, USA, IEEE Computer Society Press. (2002)
- B16) M. Agus, A. Giachetti, E. Gobbetti, G. Zanetti, Ni.I W. John, and R. J. Stone. **Mastoidectomy simulation with combined visual and haptic feedback**. In J. D. Westwood, H. M. Hoffmann, G. T. Mogel, and D. Stredney, editors, *Medicine Meets Virtual Reality 2002*, January 2002.
- B15) A. Giachetti, M. Tuveri, G. Zanetti **Web Based 3D Quantitative Analysis of Abdominal Aortic Aneurysms**. Proc. CARS 2001, Berlin (2001) Elsevier Science LTD
- B14) N.W. John, N. Thacker, M. Pokric, A.Jackson, G.Zanetti, E.Gobbetti, A.Giachetti, R. Stone, J.Campos, A.Emmen, A.Schwerdtner, E.Neri, S.S.Franceschini, F.Rubio, **An Integrated Simulator for Surgery of the Petrous Bone**. Proc. Machine Meets Virtual Reality 2001, Newport Beach, CA, pp. 218-224 (2001)
- B13) A. Giachetti, M. Tuveri, G. Zanetti, **Measurable Models of Abdominal Aortic Aneurysms on the Web**. Proc. Machine Meets Virtual Reality 2001, Newport Beach, CA, pp.158-160 (2001)
- B12) A.Giachetti, S. Cadeddu, M. Tuveri and G. Zanetti, **Blood Flow Simulations on Reconstructed geometries and Comparison with MRI Velocity Data**. Proc. SIMAI 1998, Giardini Naxos, vol. 2 14-17
- B11) A. Giachetti, M. Donizelli, A.L. Scheinine, **DICOM image handling for medical analysis and the ViVa project**. Proc. Europacs '98 Barcelona pp.201-204
- B10) A. Scheinine, M. Donizelli, M. Pescosolido, P. Pili, A. Giachetti, M. Tuveri and G. Zanetti, **An Object-Oriented Client-Server System for Interactive Segmentation of Medical Images Using the Generalised Active Contour Model**. Proc. MEDICON '98 June 14-17, 1998, Limassol, Cyprus
- B9) A. Giachetti, G.Zanetti, S.Cadeddu, M.Tuveri, N-H.Staalsen and S.Ringgaard, **Comparison between numerical flow simulations and MR measures on glass anastomosis models**. VIII Mediterranean Conference on Medical and Biological Engineering and Computing (Medicon98), June 14-17, 1998, Limassol, Cyprus
- B8) A. Giachetti, C.Petri **Medical Image Transmission on Heterogeneous Networks**. Proc. Europacs '97 - Pisa
- B7) A. Giachetti & V. Torre, **Refinement of optical flow estimation and detection of motion edges**. Proc. ECCV '96, Cambridge, UK, Vol. 2, pp.151-160, Springer LNCS 1064
- B6) A. Giachetti, M. Cappello & V. Torre, **Dynamic segmentation of traffic scenes**.Proc. IEEE Symp. on Intelligent Vehicles, Detroit (1995), IEEE Computer Society Press
- B5) A. Giachetti, M. Cappello, G. Gigli and V. Torre, **Computer assisted analysis of echocardiographic image sequences**. Proc. ICIAP Sanremo, september 1995, pp. 258-264. Springer LNCS
- B4) A. Giachetti & V. Torre, **Optical flow and deformable objects**. Proc. Int. Conf. on Computer Vision, Cambridge,

Ma. pp. 706-711, IEEE Computer Society Press, NY (1995)

B3) A. Giachetti, G. Gigli & V. Torre **Computer assisted analysis of echocardiographic image sequences.** Proc. CVRMed, Nice pp. 267-271 (1995), Springer LNCS 905

B2) A. Giachetti, M. Campani R. Sanni & A. Succi, **The Use of Optical Flow for Intelligent Cruise Control** Proc. IEEE Intelligent Vehicles, Symposium Parigi pp. 91-96 (1994). IEEE Computer Society Press, NY

B1) A. Giachetti, M. Campani & V. Torre, **The Use of Optical Flow for the Autonomous Navigation** Proc. 3 Europ. Conf Comp. Vision J.O. Eklund ed. Vol 1, pp.146-151 (1994) Springer, LNCS 800-801

Other articles

C1) M. Tuveri, G. Zanetti, P. Pili, A. Giachetti, A. Veneziani, A. Scheinine, L. Formaggia and M. Donizelli, **Endovascular Procedures in Carotid Arteries: Role of Computational Fluid Dynamics**, Proc. European Congress of Angiology, 11th Meeting of the European Chapter, pg. 154, Rome, Italy, 1997

C2) M. Tuveri, G. Zanetti, P. Pili, A. Giachetti, A. Veneziani, A. Scheinine, L. Formaggia and M. Donizelli, **SIMARTH: Modeling Blood Flow in the Human Vascular System** Proc. European Congress of Angiology, 11th Meeting of EU Chapter, pg. 154, Rome, Italy, 1997

C3) A. Giachetti, M. Tuveri, G.Zanetti, G.Cardu, RM.Bini **Utilità pratica di Internet in un centro di cardiologia pediatrica.** In Atti del XXVII Congresso S.I.C.P. 1997, Cagliari, Italy

C4) E. Neri, A. Giachetti, M. Camba, G. Zanetti, PhD, M. Tuveri, MD, C. Bartolozzi, MD **Virtual Reality Modeling Language: Applications to the Study of Abdominal Aortic Aneurysms** RSNA 2000 scientific paper

C5) A.Giachetti, G.Zanetti, **Ricostruzione di modelli misurabili da Tomografia Computerizzata Spirale** Congresso SIRM Pisa, 2001

C6) A.Giachetti, F. Frexia **AQUATICS: Aneurysm quantification through an Internet Collaborative System** in Med-e-Tel Abstracts Book, Luxembourg, G.D. of Luxembourg, April 21-23, 2004

C7) I. Bargellini, E. Neri, A. Giachetti, A. Mallouhi, M. Tuveri, D. Caramella, G. Zanetti, W. Jaschke, C. Bartolozzi. **The European project AQUATICS (Aneurysm QUAntification Through an Internet Collaborative System): Final results** ECR (European Congress of Radiology) 2004, Vienna, Austria, March 4-8 2004

C8) Margherita Reniero, Andrea Giachetti, **La Lavagna Interattiva Multimediale in classe: valutazioni di usabilità**, Atti di "Didamatica 2010", Roma, 21-23 Aprile, 2010

Books

L1) Andrea Giachetti, **Tecnologie informatiche e multimediali per la comunicazione e la didattica**, Qui Edit, 2010

Google Scholar citations **4442**/ H-number: **31**

Scopus citations **2626**/ H-number **25**

Quanto dichiarato in questo curriculum corrisponde a verità e le dichiarazioni rese nel curriculum sono rilasciate ai sensi degli articoli 46 e 47 del D.P.R. 445/2000

Trento, 26/1/2024

Andrea Giachetti



