

1. A. Mazzoli, G. Moriconi, F. Tittarelli, T. Leo. *Rapid Prototyping Techniques and Bone Tissue Engineering*. Atti III Convegno Nazionale sulla Scienza e Tecnologia dei Materiali (III INSTM), Trento, 18-20 Giugno 2001 a cura del Consorzio INSTM, p. A58
2. A. Mazzoli, G. Moriconi, O. Favoni. *Morphological characterization of macroporous artificial bone scaffolds*. Atti VI Convegno Nazionale AIMAT 2002, Modena 8-11 Settembre 2002. Editore: T. Manfredini, Ufficio Attività Grafiche dell'Università degli Studi di Modena e Reggio Emilia, p. 190. ISBN: 88-88679-00-6
3. A. Mazzoli, G. Moriconi, T. Leo. *Realizzazione di un composito poroso biocompatibile ed osteoconduttivo*. Brevetto per invenzione industriale N. 0001335085 depositato il 27 Novembre 2002 presso l'ufficio Italiano Brevetti e Marchi sede di Ancona. Classifica A61L2700, 2002
4. A. Mazzoli. *Solid free-form fabrication techniques in tissue engineering applications*. Tesi per il conseguimento del Master in Biomateriali promosso dal CIRMIIB (Centro Interuniversitario di Ricerca sui Materiali per l'Ingegneria Biomedica). Anno 2003.
5. A. Mazzoli, M. Germani. *Optical techniques in shape accuracy evaluation of a SLS mandible replica derived from CT data*. Atti XII IASTED International Conference on Applied Simulation and Modelling (ASM 2003), Marbella, Spagna, 3-5 Settembre 2003. Editor: M.H. Hamza, ACTA Press, Calgary, pp. 363-37. ISBN: 0-88986-384-9, ISSN: 1021-8181 <http://www.actapress.com/Abstract.aspx?paperId=15546>
6. A. Mazzoli, G. Moriconi, O. Favoni, A. Mammoli. *Manufacture and morphological characterization of osteoconductive porous scaffolds*. Atti I Conferenza Computational Methods in Materials Characterization (MC 2003), Santa Fe, USA, 5-7 Novembre 2003. Editors: A.A. Mammoli, C.A. Brebbia, WIT Press, pp.45-54. ISBN: 1-85312-988-7, ISSN: 1469-0071
7. A. Mazzoli. *Materiali e tecnologie per applicazioni ingegneristiche in ambito medico con particolare riferimento all'ingegneria dei tessuti*. Tesi di Dottorato di Ricerca in Ingegneria dei Materiali delle Acque e dei Terreni – Università Politecnica delle Marche a.a 2002-2003. Depositata presso le Biblioteche Nazionali di Roma e Firenze.
8. A. Mazzoli, G. Moriconi, M.G. Pauri, O. Favoni. *Aluminum-filled polyamide material for applications in selective laser sintering*. Atti VII Convegno Nazionale AIMAT 2004, Ancona, 29 Giugno - 2 Luglio 2004, CD-ROM
9. A. Mazzoli, G. Moriconi, O. Favoni. *Effect of diverse forming conditions on the morphology of hydroxyapatite spongy bioceramics*. Book of Abstracts del Topical Meeting of the European Ceramic Society: Nanoparticles, Nanostructures and Nanocomposites (NNN 2004), St. Petersburg, Russia, 4-7 Luglio 2004. Editor: VVM.co.Ltd. San Pietroburgo, 2004, p. 100. ISBN: 5-9651-0034-5
10. A. Mazzoli, G. Moriconi, M. Germani. *Influence of different manufacturing techniques and materials on the accuracy of anatomical models derived from CT data*. Atti 3rd IASTED International Conference on Biomedical Engineering (BIOMED 2005), Innsbruck, Austria, 16-18 Febbraio 2005. Editor: M.H. Hamza, ACTA Press, Calgary, pp. 64-69. ISBN: 0-88986-476-4 <http://www.actapress.com/PaperInfo.aspx?PaperID=19405&reason=500>
11. A. Mazzoli, G. Moriconi, O. Favoni. *The effect of diverse forming conditions on the morphology of hydroxyapatite spongy bioceramics*. *Glass Physics and Chemistry*, Vol. 31,

No. 3, 2005, pp. 382-389. ISSN: 1087-6596.

http://www.springerlink.com/content/q4572375445j/?sortorder=asc&p_o=10

12. Mazzoli, G. Moriconi, O. Favoni, A. Montenero, I. Alfieri. *Thin Films of Calcium Phosphate on Titanium Implants: Sol-Gel Route versus Pulsed Laser Deposition*. Atti 19a European Conference on Biomaterials (ESB 2005), Sorrento 11-15 Settembre 2005
13. A. Mazzoli, G. Moriconi. *Solid Free-form Fabrication (SFF) of a trabecular bone scaffold*. Atti Congresso EUROMAT 2005, Praga 5-8 Settembre 2005
<http://www.dgm.de/past/2005/euromat2005/programme/index.htm>
14. M.G. Pauri, M. De Giorgio, A. Mazzoli, O. Favoni. *Coestrusione di miscele per film in bolla*. Atti XVII Convegno Italiano di Scienza e Tecnologia delle Macromolecole (AIM 2005), Napoli 11-15 Settembre 2005
15. A. Mazzoli, G. Moriconi, R. De Leo. *ELF shielding effectiveness of concrete structures reinforced with metallic nets and fibers*. Atti 10th International Conference on Microwave and High Frequency Heating (10th AMPERE), Modena 12-15 Settembre 2005. ISBN: 88-901804-2-0
16. A. Mazzoli, G. Moriconi, O. Favoni, A. Montenero, G. Gnappi, I. Alfieri, F. Pattini. *Hydroxyapatite coating on sintered polyamide*. Atti V Convegno Nazionale sulla Scienza e Tecnologia dei Materiali (INSTM 2005), Maracalagonis (Ca) 26-29 Settembre 2005
17. F. Guarneri, V. Capogna, A. Mazzoli. *Utilizzo di una tecnologia tridimensionale per migliorare la diagnosi ortodontica*. *Mondo Ortodontico*, Vol. 5, Settembre-Ottobre 2005, pp. 335-344. ISSN: 0391- 2000
18. A. Gracco, M. Cozzani, A. Mazzoli. *Optical techniques in shape accuracy evaluation of a SLS mandible replica derived from CT data*. Abstracts of Lectures and Posters from the European Orthodontic Society 81st Congress at Amsterdam, The Netherlands 3-7 June 2005. *Eur J Orthod*, April 2006; 28: e73. ISSN 0141-5387
19. A. Mazzoli. *Sinterizzazione laser selettiva per bioceramici*. *Compositi*, Anno 1, Numero 1, Settembre 2006, pp. 8-13
<http://www.tecneditazioni.it/PUBLIC/PDF/008-013%20bio.pdf>
20. A. Mazzoli, G. Moriconi, M.G. Pauri. *Characterization of an aluminum-filled polyamide powder for applications in Selective Laser Sintering*. *Materials and Design*, Vol. 28, No. 3, 2007, pp. 993-1000. ISSN: 0261-3069
<http://www.sciencedirect.com/science/journal/02613069>
21. A. Mazzoli, A. Montenero, G. Moriconi, O. Favoni, I. Alfieri. *Thin films of calcium-phosphate on titanium dental screws: sol-gel route versus plasma-spray*. Atti 5th IASTED International Conference on Biomedical Engineering (BIOMED 2007). Editor: J.W. Gardner, ACTA Press, pp. 429-32, 2007. ISBN: 978-0-88986-648-5
<http://www.actapress.com/PaperInfo.aspx?PaperID=29908&reason=500>
22. Raffaelli R., Mazzoli A., Germani M. *Caratterizzazione di sistemi RE/RP per il settore odontoiatrico*. Atti del Congresso Nazionale Congiunto XVI ADM – XIX INGEGRAF. Perugia, 6-8 Giugno 2007. ISBN: 978-884671832-7
<http://www.actapress.com/PaperInfo.aspx?PaperID=29908&reason=500>

23. A. Gracco, L. Lombardo, A. Mazzoli, G. Siciliani. *Evaluation of 3D technologies in dentistry*. Atti 83rd Congress of the European Orthodontic Society (EOS 2007) Berlino, 19-24 Giugno 2007. Accettato per pubblicazione su Eur J Orthod
24. A. Mazzoli, M. Germani, G. Moriconi. *Application of optical digitizing techniques to evaluate the shape accuracy of anatomical models derived from CT data*. *Journal of Oral and Maxillofacial Surgery*, 65(7), 2007, pp. 1410-8. ISSN: 0278-2391
<http://www.sciencedirect.com/science/journal/02782391>
25. A. Mazzoli, M. Germani, R. Raffaelli. *Solid freeform fabrication of custom cranial implants designed in a phantom-based haptic environment*. Atti 16th IASTED International Conference on Applied Simulation and Modelling (ASM 2007). Editor: F. De Felice, ACTA Press, pp. 318-22, 2007. ISBN: 978-0-88986-687-4
<http://www.actapress.com/PaperInfo.aspx?PaperID=31410&reason=500>
26. R. Raffaelli, M. Germani, A. Mazzoli. *Progettazione di placche craniche personalizzate usando tecnologie SFF e sistemi di modellazione haptic*. Atti XXXVI Convegno Nazionale dell'Associazione Italiana per l'Analisi delle Sollecitazioni (AIAS), Ischia, Settembre 4-8, 2007. ISBN: 978-88-87998-75-7
http://www.engegno.it/AIAS2007/pdfmemorie_AIAS/M000154.pdf
27. A. Mazzoli, L. Scalise. *Development of optical tissue phantoms for the evaluation of the thickness of pigmented skin lesions by a conveniently purpose-modified digital camera: numerical simulations and experimental measures*. Accettato per pubblicazione sugli Atti della VI IASTED International Conference on Biomedical Engineering (BIOMED 2008) that will be held in Innsbruck 13-15 February 2008.
28. A. Mazzoli, M. Germani, G. Moriconi. *Application of optical digitizing techniques to evaluate the shape accuracy of anatomical models derived from CT data*. *Journal of Oral and Maxillofacial Surgery*, 65(7), 2007, pp. 1410-8. ISSN: 0278-2391
29. A. Mazzoli, G. Moriconi, M.G. Pauri. *Characterization of an aluminum-filled polyamide powder for applications in Selective Laser Sintering*. *Materials and Design*, Vol. 28, No. 3, 2007, pp. 993-1000. ISSN: 0261-3069
-
1. F. Verdini, T. Leo, M.G. Benedetti, F. Catani, S. Giannini, *Time-Frequency analysis of the Emg signals: investigations on Heel Strike Transient* XIII Congress of the International Society of Electrophysiology and kinesiology-ISEK 2000" Sapporo-Japan, June 25-28 2000.
 2. F. Verdini, T. Leo, S. Fioretti, M.G. Benedetti, F. Catani, S. Giannini, *Analysis of Ground Reaction Forces by means of wavelet transform*, *Clinical Biomechanics* Vol.15, No. 8, October 2000.
 3. Leo T., Fioretti S., Maurizi M., Verdini F., Marini M. *A web-based training system for movement analysis students*, *Gait & Posture* 13,177-178, 2001.
 4. Leo T., Fioretti S., Maurizi M., Verdini F., *Accreditation of Clinical Movement Analysis Laboratories: some considerations*, *Gait & Posture*, 13,2, 178-179, 2001.

5. D. Di Pietro Paolo, M.E. Marcucci, F. Verdini, T. Leo, *Automatic recognition of sharp transient during locomotion*, *Gait&Posture*, 18, s80-s123, 2003.
 6. F. Verdini, M. Marcucci, S. Albanelli, C. Zara, T. Leo *Gait functional evaluation of the subjects with unicompartimental and total knee arthroplasty*, *Gait&Posture*, 20S, 2004.
 7. F. Verdini, M. Riccio, M. Marcucci, P. Pancrazi, A. Campodonico, A. Aquinati, A. Bertani, T. Leo *Functional analysis of gait after surgical reconstruction due complex foot traumas* *Gait&Posture*, 20S, s61-s112, 2004.
 8. M.E. Marcucci, F. Verdini, M.G. Benedetti, T. Leo, *Identification and characterisation of Heel Strike Transient*, *Gait&Posture* 24,77-84,2006.
-
1. MENGONI M., GERMANI M. (2006). Integration of Virtual Reality Technologies in Industrial Design Processes: a Structured Approach. In: FISCHER X., COUTELLIER D. *Research in Interactive Design*. (vol. 2). ISBN: 10 2-287-48363-2. PARIS: Springer-Verlag France (FRANCE).
 2. GERMANI M, MENGONI M., RAFFAELI F. (2006). Design Structure Matrix used as Knowledge Capture Method for Product Configuration. *Proceedings of 9th International Design Conference*. 15-18 May. (pp. 253-261). ISBN/ISSN: 953-6313-79-0.
 3. MENGONI M., GERMANI M. (2006). Definizione di un linguaggio per l'interpretazione del design intent. *Atti su CD-ROM del Workshop su Metodi di Progettazione Concettuale per l'Innovazione*. 14-15 Settembre.
 4. MENGONI M., MANDORLI F, GERMANI M. (2006). Surface Reconstruction Method for Reverse Engineering based on Aesthetic Knowledge. *Proceedings of 6th International Symposium on Tools and Methods of Competitive Engineering*. 18-21 April. (vol. 1, pp. 251-262). ISBN/ISSN: 961-6536-04-4. DELFT: Delft University of Technology (NETHERLANDS).
 5. MENGONI M., DE GRASSI M, GERMANI M, MANDORLI F. (2005). Reverse Engineering e Modellazione Parametrica: una Metodologia per la Progettazione Automatica. *CD-ROM Proceedings of XV ADM - XVII INGEGRAF International Conference*. 1-3 June.
 6. RAFFAELI R., ALFARO D, GERMANI M, MANDORLI F, MONTIEL E. (2006). Innovative Design Automation Technologies for Corrective Shoes Development. *9th International Design Conference - DESIGN 2006*. 15-18 May 2006. (vol. 1, pp. 315-322). ISBN/ISSN: 953-6313-78-2. : D. Marjanovic.
 7. GERMANI M, RAFFAELI R., GATTO A, MANDOLESI F. (2004). Sistema per l'Ausilio alla Progettazione Semi-Automatica di Dispositivi Ortodontici. *Convegno Reverse Engineering: Potenzialità ed Applicazioni*. 25 May 2004. (pp. 145-163). ISBN/ISSN: 88-901419-0-5. : A.O. Adrisano e A. Gatto.
 8. MAZZOLI, GERMANI M., R. RAFFAELI. (2007). Solid freeform fabrication of custom cranial implants designed in a phantom-based haptic environment. *roc. of 16th IASTED International Conference on Applied Simulation and Modelling*. 28-31 August. (pp. 318-322). ISBN/ISSN: 978-0-88986-687-4.

9. MAZZOLI A, GERMANI M., MORICONI G. (2007). Application of optical digitizing techniques to evaluate the shape accuracy of anatomical models derived from CT data. JOURNAL OF ORAL AND MAXILLOFACIAL SURGERY. vol. 65, pp. 1410-1418 ISSN: 0278-2391.
10. MAZZOLI A, RAFFAELI R, GERMANI M. (2007). Caratterizzazione di sistemi RE/RP per il settore odontoiatrico. Proceedings of Congresso Internazionale Congiunto XVI ADM - XIX INGEGRAF. 6-8 June. ISBN/ISSN: 978-884671841-9.
11. MENGONI M, BORDEGONI M, GERMANI M. (2007). A method for the selection and evaluation of VR technologies combination in product development processes. Proceedings of Congresso Internazionale Congiunto XVI ADM - XIX INGEGRAF. 6-8 June. ISBN 978-884671841-9.
12. MENGONI M, GERMANI M. (2007). Aesthetic features as a tool to preserve the design intent, Proceedings of ICED 07. 28-31 August, Paris.
13. MENGONI M, GERMANI M., BORDEGONI M. (2007). Virtual reality systems: a method to evaluate the applicability based on the design context. ASME-DETC. 3-6 September, Las Vegas.
14. MENGONI M, GERMANI M., MANDORLI F. (2007). Reverse engineering of aesthetic products: use of hand-made sketches for the design intent formalization. JOURNAL OF ENGINEERING DESIGN. vol. 18, pp. 413-435 ISSN: 0954-4828.
15. RAFFAELI R, GERMANI M., MAZZOLI A. (2007). Progettazione di placche craniche personalizzate usando tecnologie SFF e sistemi di modellazione haptic. XXXVI AIAS. 6-8 Settembre, Ischia.
16. MENGONI M, GERMANI M. (2006). Integration of Virtual Reality Technologies in Industrial Design Processes: a Structured Approach. Proceedings of Virtual Concept 2006. 2-4 December, Cancun.
17. MENGONI M, GERMANI M. (2006). Virtual Reality Systems and CE: How to Evaluate the Benefits. Proceedings of the 13th ISPE International Conference on Concurrent Engineering. 18-22 September. (pp. 853-862). ISBN/ISSN: 1-58603-651-3. PARIS: IOS Press (FRANCE).
18. MENGONI M, GERMANI M., ONORI R, PAVANI F. (2006). A METHODOLOGY FOR VR SYSTEMS BENCHMARKING IN THE INDUSTRIAL DESIGN PROCESS. Proceedings of the 9th International Design Conference - DESIGN 2006. 13-15 May. (pp. 291-300). ISBN/ISSN: 953-6313-78-2.
19. GERMANI M., MANDORLI F., CORBO P. (2005). A CAD based tool for automatic control of geometrical tolerances. XVII INGEGRAF - XV ADM Conference. (vol. CD-ROM). ISBN/ISSN: 84-96377-41-5.
20. MAZZOLI A, GERMANI M., MORICONI G. (2005). Influence of Different Manufacturing Techniques and Materials on the Accuracy of Anatomical SFF Models derived from CT Data,. Proceedings of the lasted Int. Conference on Biomedical Engineering. 18-22 February. (pp. 64-69).
21. RAFFAELI R., GERMANI M., MANDORLI F. (2005). Innovative Technologies to Support Positioning of Corrective Appliances in Orthodontic Treatments. 14th IASTED International Conference on APPLIED SIMULATION AND MODELLING - ASM 2005. (vol. CD-ROM).

22. CORBO P., GERMANI M., MANDORLI F. (2004). Aesthetic and functional analysis for product model validation in reverse engineering applications. *COMPUTER AIDED DESIGN*. vol. 36, pp. 65-74 ISSN: 0010-4485.
 23. GERMANI M., MANDORLI, F. (2004). Aesthetic Design: a Methodology to Preserve the Stylist Intent using Digitised Models. In: *VARI. Tools and Methods of Competitive Engineering*. (vol. 1, pp. 131-141). ISBN: 90-5966-018-8. Edited by Imre Horvath and Paul Xirouchakis. Millpress.
 24. GERMANI M., MANDORLI F., GATTO A., PIATTO F., BASSOLI E., TULLOCH N. (2003). A Time Compression Approach for Styling Design. In: *VARI. Advanced design, management and production systems*. (pp. 1171-1179). ISBN: 90 5809 524 6. Editors - Jianzhong Cha, Ricardo Jardim-Gonçalves, Adolfo Steiger-Garção.
 25. GERMANI M., MAZZOLI A. (2003). Optical Techniques in Shape Accuracy Evaluation of an SLS Mandible Replica derived from CT Data. *Proceedings of 12th IASTED Int. Conference Applied Simulation and Modelling*. 3-5 September. (pp. 363-370).
 26. GERMANI M., BERTI S, CORBO P, MANDORLI F. (2002). Reverse Engineering in the Aesthetic Design: Quality Control of Surface Reconstruction Phase,. 7ème édition du Congrès et de l'Exposition sur la Digitalisation et la Création Industrielle - Scann. May.
 27. GERMANI M., MANDORLI F, BERTI, S. (2001). Design process: the impact of reverse engineering methodologies. *XII ADM Conference on Design Tools and Methods*. Settembre.
 28. CASTELLINI P, GERMANI M., MANDORLI F, LATINI F. (1999). Fringe Projection Techniques in Reverse Engineering. *Actes des conference Numerisation 3D: Congres sur la numerisation 3D design et digitalisation creati*. 3-5 May.
 29. GERMANI M., MANDORLI F, CASTELLINI P, BERTI S. (1999). Optical Techniques for Shape Digitalisation in Reverse Engineering. *Proceedings of 11th International Conference on Design Tools and Methods in Industrial Engineering*.
-
1. M. Mattioli-Belmonte, G. Lucarini, L. Virgili, G. Biagini, L. Detomaso, P. Favia, R. D'Agostino, R. Gristina, A. Gigante, C. Bevilacqua. Mesenchymal Stem Cells on plasma deposited Acrylic Acid coatings: an in vitro investigation to improve biomaterial performance in bone reconstruction *Journal of Bioactive and Compatible Polymers* Jul 2005; 20: 343 – 360.
 2. E. Landi, A. Tampieri, M. Mattioli-Belmonte, G. Celotti, M. Sandri, A. Gigante, P. Fava, G.. Biomimetic Mg- and Mg,CO₃- substituted Hydroxyapatites: Synthesis, Characterization and in Vitro Behaviour. *Journal of European Ceramic Society*, 2006; 26(13), pp. 2593-2601.
 3. Gigante A., C. Bevilacqua, A. Ricevuto, M. Mattioli-Belmonte, F. Greco, Membrane-seeded autologous chondrocytes: cell viability, *Knee Surg Sports Traumatol Arthrosc* 2007 Jan;15(1):88-92.
 4. Mattioli-Belmonte M., G. Vozzi, K. Kyriakidou, E. Pulieri, G. Lucarini, B. Vinci, A. Pugnali, G. Biagini, A. Ahluwalia. Microarchitected scaffolds and porous PLGA substrates condition cell morpho-functional behaviour. *J Biomed Mat Res, A*. 2007 Aug 29; [Epub ahead of print].

5. Kyriakidou K., G. Lucarini, A. Zizzi, E. Salvolini, M. Mattioli-Belmonte, F. Mollica, A. Gloria, L. Ambrosio. Dynamic co-seeding of osteoblast and endothelial cells on 3d polycaprolactone scaffold for enhanced bone tissue-engineering prospective, *Journal of Bioactive and Compatible Polymers*, 2008 in Press.