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POSIZIONI ACCADEMICHE RICOPERTE

2005-presente Professore, Dipartimento di Ingegneria Meccanica e Aerospaziale, Università di Roma "La Sapienza"
1997-2005 Professore Associato, Dipartimento di Meccanica e Aeronautica, Università di Roma "La Sapienza"
1993-1997 Professore incaricato, Dipartimento di Meccanica, Politecnico di Milano
1984-1997 Ricercatore, Dipartimento di Ingegneria Meccanica, Università di Roma "Tor Vergata"
1984 Visiting Research Associate, Department of Metallurgical Engineering, Ohio State University
1980-1984 Ricercatore a contratto, Dipartimento di Scienza dei Materiali, Università di Ancona

SETTORI DI RICERCA

- Caratterizzazione di materiali
- Produzione di materiali compositi
- Metodi di lavorazione non tradizionali
- Lavorazioni dei materiali compositi
- Finitura e superfinitura di componenti meccanici
- Usura di utensili diamantati
- Additive manufacturing

PUBBLICAZIONI

Autore di oltre 100 pubblicazioni presentati su Riviste internazionali Conferenze internazionali.
Editore di 5 Volumi ASME e 2 Volumi SDPS.

SOCIETÀ PROFESSIONALI

- American Society of Mechanical Engineers (ASME)
- Associazione Italiana di Tecnologia Meccanica (AITEM)
- American Society for Materials (ASM)
- Society for Design and Process Science (SDPS)

ATTIVITÀ SCIENTIFICHE VARIE

- Session Chairman: NATO ASI School "Laser Application to Mechanical Industry", Erice, 1992
- Session Developer: "Metal Composites", ASME European Joint Conference on Engineering Systems Design and Analysis, Istanbul 1992
- Session Developer: "Plastic Composites", ASME European Joint Conference on Engineering Systems Design and Analysis, Istanbul 1992
- Service Award: ASME European Joint Conference on Engineering Systems Design and Analysis, Istanbul 1992
- Session Chairman: "Machining of Advanced Composites", ASME Winter Annual Meeting 1993, New Orleans, Nov. 28 - Dec. 3, 1993
- Technical Program Committee: Second ASME Biennial Conference on Engineering Systems Design and Analysis, London 1994
- Symposium Organizer: "Machining and Manufacturing of Composites", Second ASME Biennial Conference on Engineering Systems Design and Analysis, London 1994

- Service Award: Second ASME Biennial Conference on Engineering Systems Design and Analysis, London 1994
- Session Developer: "Machining of Composites", First SDPS World Conference on Integrated Design and Process Technology, Austin 1995
- Symposium Organizer: "Composite Materials, Manufacturing and Fatigue/fracture", Third ASME Biennial Conference on Engineering Systems Design and Analysis, Montpellier 1996
- Service Award: Third ASME Biennial Conference on Engineering Systems Design and Analysis, Montpellier, 1996
- Session Developer: "Machining of Composites", Second SDPS World Conference on Integrated Design and Process Technology, Austin 1996.
- Session Developer: "Machining of Composites", Third SDPS World Conference on Integrated Design and Process Technology, Berlin 1998.
- Technical Program Committee: Third SDPS World Conference on Integrated Design and Process Technology, Berlin, 1998
- Symposium Organizer: "Machining of Composite Materials", Fifth ASME Biennial Conference on Engineering Systems Design and Analysis, Montreux 2000
- Symposium Organizer: "Machining and Manufacturing of Composite Materials", Sixth ASME Biennial Conference on Engineering Systems Design and Analysis, Istanbul 2002
- Symposium Organizer: "Manufacturing Engineering", Eight ASME Biennial Conference on Engineering Systems Design and Analysis, Torino 2006

PRINCIPALI PUBBLICAZIONI

1. F. Veniali, Z. Szklarska-Smialowska, "A Study of the Diffusion and Trapping of Hydrogen in Fe-3Cr and Fe-5Cr Alloys", *Materials Chemistry and Physics*, 15, (1986), pp. 545-557.
2. A. Di Ilio, V. Tagliaferri, F. Veniali, "Machining Parameters and Cut Quality in Laser Cutting of Aramid Fibre Reinforced Plastics", *Materials and Manufacturing Processes*, 5, (1990), pp. 591-608.
3. A. Di Ilio, V. Tagliaferri, F. Veniali, "Cutting Mechanisms in Drilling of Aramid Composites", *Intl. J. Machine Tools Manufacture*, 31, (1991), pp. 155-165.
4. F. Veniali, A. Di Ilio, V. Tagliaferri, "An Experimental Study of the Drilling of Aramid Composites", *ASME J. of Energy Resources Technology*, Vol. 117, (1995), pp. 271-278.
5. A. Di Ilio, A. Paoletti, V. Tagliaferri, F. Veniali, "An Experimental Study of Grinding of SiC Reinforced Aluminium", *Intl. J. Mach. Tools Manufacture*, Vol. 36, 1996, pp. 673-685.
6. A. Boschetto, E. Marchetti, F. Veniali, "Analysis of the charge movements in barrel finishing" (2001) *Proceedings of the Engineering Technology Conference on Energy, ETCE 2001*, pp.1053-1058.
7. E. Marchetti, F. Veniali, "Digital image analysis of the rolls during production of aluminum foils" (2001) *Proceedings of the Engineering Technology Conference on Energy, ETCE 2001*, pp.1013-1017.
8. A. Boschetto, F. Veniali, "Wear of HFACVD diamond coated tools in turning of MMC" (2004) *Proceedings of the 7th Biennial Conference on Engineering Systems Design and Analysis, ESDA 2004* pp. 335-338
9. A. Boschetto, A. Ruggiero, F. Veniali, "Deburring of sheet metal by barrel finishing", *Key Engineering Materials*, Vol. 344, (2007), pp. 193-200.
10. A. Boschetto, F. Veniali, "Workpiece and media tracking in barrel finishing", *Intl. J. of Machining and Machinability of Materials*, Vol. 6, (2009), pp. 305-321.
11. A. Boschetto, F. Veniali, "Intricate shape prototypes obtained by FDM". *International Journal Of Material Forming*, vol. 3, (2010), pp. 1099-1102
12. A. Gisario, D. Bellisario, F. Veniali, "Thermal-morphological analysis of diode laser polishing on sintered bronze", *International Journal Of Material Forming*, vol. 3, (2010) pp. 1067-1070.
13. A. Gisario, F. Veniali. "Advances In Laser Processing Of Metal Matrix Composites (MMCs)", *ICALEO 2010 Conference Proceedings*. (Anaheim, CA, USA), September 26-30, 2010.

14. A. Boschetto, A. Gisario, F. Veniali, "Hole damage in drilling of Reactive Powder Concrete", *Cement and Concrete Composites*, Vol. 30, 2008.
15. A. Boschetto, A. Gisario, F. Veniali, (2011). "Neural Network Approach for Estimating the Hole Damage in Drilling Process of Reactive Powder Concrete (RPC)". *Journal Of Materials Science And Engineering*, Vol. 5, P. 304-313, ISSN: 1934-8959
16. A. Gisario, A. Boschetto, F. Veniali. (2011). "Hole Damage in Drilling of Reactive Powder Concrete" (RPC) . *Journal Of Materials In Civil Engineering*, ISSN: 0899-1561, doi: 10.1061/(ASCE)MT
17. A. Gisario, A. Boschetto, F. Veniali (2011). "Surface transformation of AISI 304 stainless steel by high power diode laser". *OPTICS AND LASERS IN ENGINEERING*, vol. 49, p. 41-51, ISSN: 0143-8166, doi: 10.1016/j.optlaseng.2010.09.001
18. A. Gisario, M. Barletta, F. Veniali (2012). "Surface reconstruction of porous substrates in sintered bronze by cw-high power diode laser". *OPTICS AND LASERS IN ENGINEERING*, vol. 50, p. 1306-1315, ISSN: 0143-8166, doi: 10.1016/j.optlaseng.2012.02.016
19. A. Boschetto, V. Giordano, F. Veniali (2012). "Modelling micro geometrical profiles in fused deposition process". *INTERNATIONAL JOURNAL, ADVANCED MANUFACTURING TECHNOLOGY*, vol. 61, p. 945-956, ISSN: 0268-3768, doi: 10.1007/s00170-011-3744-1
20. A. Gisario, M. Barletta, F. Veniali (2012). "Laser surface modification (LSM) of thermally-sprayed Diamalloy 2002 coating". *OPTICS AND LASER TECHNOLOGY*, vol. 44, p. 1942-1958, ISSN: 0030-3992, doi: 10.1016/j.optlastec.2012.02.011
21. M. Barletta, V. Tagliaferri, F. Trovalusci, F. Veniali, A. Gisario (2013). "The Mechanisms of Material Removal in the Fluidized Bed Machining of Polyvinyl Chloride Substrates". *JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING*, vol. 135, ISSN: 1087-1357, doi: 10.1115/1.4007956
22. A. Boschetto, V. Giordano, F. Veniali (2013). "Surface roughness prediction in fused deposition modelling by neural networks". *INTERNATIONAL JOURNAL, ADVANCED MANUFACTURING TECHNOLOGY*, vol. 67, p. 2727-2742, ISSN: 0268-3768, doi: 10.1007/s00170-012-4687-x
23. A. Boschetto, L. Bottini, F. Veniali (2013). "Microremoval modeling of surface roughness in barrel finishing". *INTERNATIONAL JOURNAL, ADVANCED MANUFACTURING TECHNOLOGY*, vol. 69, p. 2343-2354, ISSN: 0268-3768, doi: 10.1007/s00170-013-5186-4
24. A. Boschetto, M. Bellusci, A. La Barbera, F. Padella, F. Veniali (2013). "Kinematic observations and energy modeling of a Zoz Simoloyer high-energy ball milling device". *INTERNATIONAL JOURNAL, ADVANCED MANUFACTURING TECHNOLOGY*, vol. 69, p. 2423-2435, ISSN: 0268-3768, doi: 10.1007/s00170-013-5201-9
25. A. Boschetto, V. Giordano, F. Veniali (2013). "3D roughness profile model in fused deposition modelling". *RAPID PROTOTYPING JOURNAL*, vol. 19, p. 240-252, ISSN: 1355-2546, doi: 10.1108/13552541311323254
26. L. Bottini, A. Boschetto, F. Veniali, "Estimation of material removal by profilometer measurements in mass finishing" *Key Engineering Materials*, vol. 611-612, pp615-622
27. A. Gisario, M. Barletta, S. Venettacci, F. Veniali (2015). "External force-assisted LaserOrigami (LO) bending: Shaping of 3D cubes and edge design of stainless steel chairs". *JOURNAL OF MANUFACTURING PROCESSES*, vol. 18, p. 159-166, ISSN: 1526-6125, doi: doi:10.1016/j.jmapro.2015.03.006
28. A. Gisario, M. Puopolo, S. Venettacci, F. Veniali, "Improvement of thermally sprayed WC-Co/NiCr coatings by surface laser processing", *International Journal of Refractory Metals and Hard Materials*, vol. 52, pp. 123-130

Editorship di Proceedings

1. F. Veniali, A. Ertas, A. Di Ilio, V. Tagliaferri eds. Design Analysis Machinability and Characterization of Composite Materials, ASME PD 47-6, (1992).
2. F. Veniali, A. Ertas, A. Di Ilio, M.J. Owen, V. Tagliaferri eds. Integrated Design and Manufacturing of Composites, ASME PD 64-2, (1994)

3. A. Ertas, M. Tanik, V. Ramamoorthy, I. Esat, F. Veniali, Taleb-Ebdiab eds. Integrated Design and Process Technology, SPDS Vol. 1-1995, (1995).
4. F. Veniali, M. Bellet, D. Gamby, H. Masudi, J. Rasty, A. Dragon eds., Composite Materials, Manufacturing and Fatigue/Fracture, ASME PD Vol. 75-3, (1996).
5. I.I. Esat, F. Veniali, J. Rasty, D.D. Gransberg, A. Ertas eds, Integrated Design and Process Technology, SPDS Vol. 3-1996, (1996).
6. A. Ertas, D. Gibson, F. Belli, F. Veniali, R. Noorani, P. Chedmail eds., Design Product Development and Manufacturing, IDPT Vol. 3-1998 (1998).
7. F. Veniali, ed., Machining of Composites and Innovative Manufacturing Techniques, ASME / ESDA 2000 (2000).

INDICI BIBLIOMETRICI

Scopus: 44 documents, 210 citations, h-index 7

Google Scholar: 58 documents, 335 citations, h-index 9

ATTIVITÀ DIDATTICHE

Tecnologie generali dei materiali, Politecnico di Milano, 1993-1998, CdA Ingegneria Gestionale

Tecnologia meccanica, 1998-2015, Università di Roma La Sapienza, CdA Ingegneria Meccanica

Tecnologia dei processi produttivi, 2002-2015, Università di Roma La Sapienza, CdA Ingegneria Gestionale

Technologies and production systems, 2015, Università di Roma La Sapienza, CdA Design

Presidente CdA in Ingegneria meccanica, Università di Roma La Sapienza, 2006-2013