

**Prof. Roberto Merletti, Ph.D.**

**Complete list of publications in the field of sEMG, January 2020**

**Publications: Books and Chapters of Books**

1. Hermens H., Freriks B., Merletti R., Stegeman D., Blok J., Rau G., Disselhorst-Klug C., Hagg G., European Recommendations for Surface Electromyography, RRD publish. ISBN 90-75452-15-2, 1999.
2. Hermens H., Freriks B., Merletti R., Stegeman D., Blok J., Rau G., Disselhorst-Klug C., Hagg G., Raccomandazioni Europee per l'Elettromiografia di Superficie, Edizione italiana a cura di R. Merletti, Coop. Lib. Univ. Torinese (CLUT), ISBN 88-7992-1525, 2000
3. Merletti (editor) , Elementi di elettromiografia di superficie, Coop. Lib. Univ. Torinese (CLUT), ISBN 88-7922-153-3, 2000
4. Pozzo M., Farina D., Merletti R., Electromyography: detection, processing and applications, in: Handbook of biomedical technology and devices, J. E. Moore (ed.), CRC Press, 2003
5. Farina D., Filligoi G.C., Merletti R., Analisi di segnali EMG di superficie per lo studio del controllo motorio. In "Bioingegneria della postura e del movimento" Cappello A., Cappelozzo A., di Prampero P.E. (Eds.), Patron Editore (Pub.), pp. 281-306, 2003
6. Merletti R., Medicina del lavoro: valutazioni tramite EMG di superficie. In "Bioingegneria della postura e del movimento" Cappello A., Cappelozzo A., di Prampero P.E. (Eds.), Patron Editore (Pub.), pp. 495-510, 2003
7. Merletti R., Marchetti M., Contardo V., Veronica M., Applicazioni dell'EMG di superficie in riabilitazione sportiva, cap. 4.7 del testo "La Spalla e lo Sport", Masson,
8. Merletti R., Parker P.A. (eds.), Electromyography: Physiology, engineering and non invasive applications, IEEE Press / J Wiley, USA, 2004
9. Barbero M., Rainoldi A, Merletti R. Atlas of muscle innervation zones: understanding surface EMG and its applications, Springer, Italy 2012
10. Merletti R, Farina D. (eds) Surface Electromyography: physiology, engineering and applications, IEEE Press / J Wiley, USA, May 2016
11. Merletti R., Pelvic floor EMG: principles, technique and applications, Ch 7 of " Childbirth related pelvic floor dysfunctions", Springer 2016.

## Publications on peer-reviewed journals

1. Merletti R, V. Kirilkuc, E. Corson, S. Corson, D. Patel, Instrumentation for the maintenance of an open loop condition in the body fluid volume control system of small laboratory animals and for the automatic recording of urine flow and conductivity during antidiuretic hormone bioassay, *Med. and Biol. Eng.*, v. 11, pg. 480-488, 1972.
2. Stefancic M, R. Merletti, S. Rebersek, Therapeutic effect of the Ljubijana functional electronic brace, *Europa Medicophysica*, v. 12, pg. 1-9, 1976.
3. Merletti R, R. Acimovic, S. Grobelnik, G. Cvilak, Electrophysiological orthosis of the upper extremity in hemiplegic patients: feasibility study, *Arch. of. Phys. Med. and Rehab.*, v. 56, pg. 507-513, 1975.
4. Merletti R, F. Zelaschi, D. Latella, M. Galli, S. Angeli, M. Bellucci Sessa, A control study of muscle force recovery in hemiparetic patients during treatment with functional electrical stimulation, *Scand. J. of Phys. Med. and Rehab.*, v. 10, pg. 147-154, 1978.
5. Merletti R, A. Andina, M. Galante, I. Furlan, Clinical experience of electronic peroneal stimulators in 50 hemiparetic patients, *Scand. J. of Phys. Med. and Rehab.*, v. 11, pg. 111-121, 1979.
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9. Merletti R., D. Bravar, Clinical engineering in Italy: two local experiences, *Medical and Biolog. Eng. and Comp.* v. 22, pg. 106-112, 1984. (70%)
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