

Dr Ricardo Simeoni – List of publications

Journal articles

1. **Simeoni, R.J.** (2003). Bohr's model of atomic hydrogen extended to include electron rotational kinetic energy. *Physics in Canada*. 59 309-311.
2. **Simeoni, R.J.** & Mills, P.M. (2003). Quadriceps muscles vastus medialis obliques, rectus femoris and vastus lateralis compared via electromyogram bicoherence analysis. *Australasian Physical and Engineering Sciences in Medicine Journal*. 26 125-131.
3. **Simeoni, R.J.** & Mills, P.M. (2003). Does the Fibonacci sequence exist within our brain waves? *The Physicist*. 40 62-65.
4. **Simeoni, R.J.** & Mills, P.M. (2003). Advantages of using multiple regression for discrete Fourier analysis . *The Australian Mathematical Society Gazette*. 30 18-24.
5. **Simeoni, R.J.** & Mills, P.M. (2003). Technical report: Bicoherence analysis of quadriceps electromyogram during isometric knee extension. *Australasian Physical and Engineering Sciences in Medicine Journal*. 26 12-17.
6. **Simeoni, R.J.**, Barrett, R. & Manning, J.M. (2002). A new model of rowing based on simple physics. *The Physicist*. 39 190-197.
7. **Simeoni, R. J.** Peach, G., & Whittingham, I. B. (1997). A laser induced collisional energy transfer (LICET) process involving metastable helium. *Journal of Physics B: Atomic, Molecular and Optical Physics*. 30 1071-1075.
8. **Simeoni, R. J.** Peach, G., & Whittingham, I. B. (1996). Theoretical study of a LICET-like process in singlet helium systems. *Journal of Physics B: Atomic, Molecular and Optical Physics*. 29 5567-5582.
9. **Simeoni, R. J.**, & Thiele, D. L. (1993). Scatter radiation in mammography. *Australasian Physical and Engineering Sciences in Medicine*. 16 33-36.
10. Thiele, D. L., **Simeoni, R. J.**, & Panaretos, S. (1993). A device for measuring compression force in mammography. *Australasian Physical and Engineering Sciences in Medicine*. 16 57-60
11. **Simeoni, R. J.**, & Thiele, D. L. (1992). Technical report. A calibration comparison of mammographic k Vp meters. *Australasian Physical and Engineering Sciences in Medicine Journal*. 15 45-49.

Books

1. **Simeoni, R.J.** (2007). *Nobel Gas Magic Numbers: From Quarks to Quasars*. Uniprint. ISBN: 978 1 921291 26 5
2. **Simeoni, R.J.** (2002). *Mathematics for Clinical Sciences*. Griffith University Press. ISBN: 0 909291 69 1.
3. Barrett, R., **Simeoni, R.J.** & D'Helon, C. (editors) (2000). *Proceedings of the 3rd Australian and New Zealand Society of Biomechanics Conference*, Griffith University Gold Coast. ISBN: 0 86857 970 X.

Conference Papers

1. **Simeoni, R.J.** (2007). Workload model equity assessment for a first year student advisor within an inaugural health foundation year (full paper). *Proceedings of the 10th Pacific Rim First year in Higher Education Conference*. Brisbane, Australia.
2. O'Reilly, J. & **Simeoni, R.J.**(2005). A thermodynamics-based mechanism for the slow component of oxygen uptake kinetics during high power exercise. 5pp. *Proceedings of the 16th National Congress 2005*, Australian Institute of Physics: Physics for the Nation. Ed. Max Colla. Canberra, Australia. ISBN: 0 9598064 8 2.
3. **Simeoni, R.J.** & Mills, P.M. (2003). Bispectral analysis of Alzheimer's electroencephalogram: a preliminary study (full paper). In B.Allen and N.Lovel (Eds.), *International Organisation for Medical Physics (IOMP) Proceedings of the World Congress on Medical Physics and Biomedical Engineering*. Sydney, Australia. ISBN: 1 877040 14 2.