

Representative Publications

- Joseph Kwan and Eric Tam, "Chapter 29: Transport Services in Asia," in "The Engineering Handbook of Smart Technology for Aging, Disability and Independence," A. Helal, M. Mokhtari and B. Abdulrazak, Editors, John Wiley & Sons. ISBN 978-0-471-71155-1, Computer Engineering Series. (In Press)
- Li, Z.Y., Tam, E.W.C., Mak, A.F.T., Lau, R.Y.C. Wavelet Analysis of the Effects of Static Magnetic Field on Skin Blood Flowmotion: Investigation using an in vivo Rat Model. *In Vivo*. 21(1):61-68, 2007
- Kwan, M.P.C., Tam, E.W.C., Lo, S.C.L., Leung, M.C.P., LAU, R.Y.C The Time Effect of Pressure on Tissue Viability: Investigation using an Experimental Rat Mode. *Experimental Biology and Medicine*. 232: 481-487, 2007
- Li, Z., Tam, E.W.C., Mak, A.F.T., Lau, R.Y.C., Effects of static magnetic field on skin blood flowmotion: Investigation using an in vivo rat model, 30th Annual Scientific Meeting of the International Society for Prosthetics and Orthotics, Australian National Member Society, 2006, Australia.
- LI, Z., LEUNG, J.Y.S., TAM, E.W.C., KWAN, M.P.C., MAK, A.F.T., Wavelet Analysis of Skin Blood oscillations in Persons with Spinal Cord Injury and Normal Subjects, *Arch. Phys. Med. Rehabil.* 87:1207-1212, 2006
- Li, Z.Y., Tam, E.W.C., Mak, A.F.T., Lau, R.Y.C. Effects of Prolonged Compression on the Variations of Hemoglobin Oxygenation - Assessment by Spectral Analysis of Reflectance Spectrophotometry Signals. *Phys. Med. Biol.* 51:5707-5718, 2006
- LI, Z., TAM, E.W.C., KWAN, M.P.C., MAK, A.F.T., LO, S.C.L., LEUNG, M.C.P., Effects of prolonged surface pressure on the skin blood flowmotions in anaesthetized rats—an assessment by spectral analysis of laser Doppler flowmetry signals, *Phys. Med. Biol.* 51:2681-2694, 2006
- Lau, R.Y.C., Tam, E.W.C., Mak, A.F.T., Wong, M.S., Qin, L., Chao, E., Guo, X., Effects of low intensity vibration on skeletal health in ageing and disuse atrophy: A rat model, *Proceedings of Conference on Biomedical Engineering BME 2006*, pp15-7, Hong Kong.
- KWOK, T., CHIEN, W.T., CHEUNG, W., TAM, E.W.C., YEUNG, F., WOO, J., Does access to a bed-chair pressure sensor device reduce physical restraint use in the rehabilitative care setting? *Journal of Clinical Nursing*. 15: 581-587, 2006
- Arthur F. T. Mak, Eric W. C. Tam, Bonnie Y. S. Tsung, Ming Zhang, Y. P. Zheng, J. D. Zhang, Biomechanics of Body Support Surfaces: Issues of Decubitus Ulcer, In: *Frontiers in biomedical engineering : proceedings of the World Congress for Chinese Biomedical Engineers*, edited by Ned H.C. Hwang and Savio L-Y. Woo. New York, N.Y. : Kluwer Academic/Plenum Publishers, c2003
- TAM, E., MAK, A., CHOW, D., WONG, C., KAM, A., LUK, L., and YUEN, P., A Survey on the Need and Funding for Assistive Devices and Services in Hong Kong. *J. Disability Policy Studies*. 14(3):136-141, 2003.

- TAM, E., MAK, A., EVANS, J. and CHOW, Y., Pelvic Movement and Interface Pressure Distribution during Manual Wheelchair Propulsion. Arch. Phys. Med. Rehabil. 85:1466-1472, 2003.
- CHOW, C.P., WONG, M.S., TAM, E.W.C. Peroneal neuropathies secondary to postoperative lower limb immobilization. Hong Kong Journal of Orthopaedic Surgery, 6(2):109-113, 2002.
- Tao X., Chang J., Lo M.T., Chow D. and TAM E., Physical Properties of a New Orthopaedic Supporting Material for Posture Control in Wheelchair, Journal of Hong Kong Institution of Textile and Apparel, Vol. 1, No. 1, October, 1997, pp94-98.
- Tao X, Chang J, Lo MT, Chow D, Tam E. Physical properties of a new orthopaedic supporting material for posture control in wheelchair, Journal of Hong Kong Institution of Textile and Apparel 1997; 1:94-98.
- TAM, E., CHIU, E. and EVANS, J.H.? Commercialization of New Silicone Ability Switches - The Hong Kong Experience.? Technology and Disability, Volume 7, Issue 1-2, June 1997, pp85-91.

Invited Lecture/ Talk

- Invited Lecture on “The Application of Health Technology to Assist Daily Care for the Frail Elders in the Residential Care Homes in Future”, Chi Lin Nunnery Elderly Service – 50th Anniversary Symposium, Dec 2007.
- Invited panelist on “Increasing Access to Assistive Technology and Universally Designed Technologies” – 9th International Congress on Community Services for Children, Youth and Families with Special Health Care Needs, Washington, DC, USA, Dec 2006.
- Invited Lecture on “Augmentative and Alternative Communication (AAC) Technologies: Design and Selection” - The 4th World Congress for NeuroRehabilitation (WCNR 2006), Feb, 2006