Publications

Book Chapters

1. Burgess-Limerick, R. & **Tichon, J**. (2011) Training. In Horberry, T., Burgess-Limerick, R & Steiner, L. Human Factors for the Design, Operation and Maintenance of Mining Equipment. Boca Raton, FL:CRC Press. pp177-187.

2. Coelho, C., **Tichon, J**., Hine, T.J., Wallis, G., & Riva, G (2006) Media presence and inner presence: The sense of presence in virtual reality technologies. In G. Riva & F. Davide (Eds) From Communication to Presence, Amsterdam: IOS Press.pp.25-45.

Refereed Journal Articles

3. **Tichon, J**., Mavin, T., Wallis, G., Visser, T. & Riek, S (2014) Using Pupilometry and Electromyography to Track Positive and Negative Affect Anxiety during Flight Simulation. Aviation Psychology and Applied Human Factors, 4(1), pp. 23-32.

4. **Tichon, J**., Wallis, G., Riek, S., & Mavin T (2014). Physiological Measurement of Anxiety to Evaluate Performance in Simulation Training. Cognition, Technology & Work. 16(2), pp 203-210.

5. Wallis, G. & **Tichon, J.** (2013) Predicting the efficacy of simulator-based training using a perceptual judgment task versus questionnaire-based measures of presence. Presence: Teleoperators and virtual environments, 22(1), pp67-85.

6. **Tichon, J**. & Diver, P. (2012) Interactive Simulator Training in Civil Construction: Evaluation from the Trainer's Perspective. Journal of Interactive Learning Research, 23(2), pp 143-163.

7. **Tichon, JG** (2012) Evaluation of Virtual Reality Training using Affect, International Journal on E-Learning, 11(2), pp 107-116.

8. **Tichon, J** & Burgess-Limerick, R (2011) A Review of Virtual Reality as a Medium for Safety Related Training in Mining, Journal of Health & Safety, Research & Practice, 3, 33-40.

9. **Tichon, JG**., Watson, G., & Wallis, G. (2011) Using Feature Extraction and Electromyography to Evaluate Affect during Simulation. International Journal of Human Factors Modeling and Simulation. Vol 2, No 1/2, pp.149-162.

10. **Tichon, J**. & Diver, P. (2010) Plant operator simulation: Benefits and drawbacks for a construction training organization. Cognition, Technology and Work, 12 (3), pp.219-229.

11. **Tichon, J**. & Wallis, G (2010) Stress training and simulator complexity: Why sometimes more is less. Behaviour and Information Technology, 29 (5), pp. 459-466

12. Coelho, C.M., Silva, C.F., Santos, J.A., **Tichon, J**. & Wallis, G. (2008). Contrasting the Effectiveness and Efficiency of Virtual Reality and Real Environments in the Treatment of Acrophobia. Psychology Journal, 6 (2), 203-216.

13. Coelho, C.M., Santos, J.A., Silva, C., Wallis, G., **Tichon, J.,** & Hine, T. (2008) The role of self-motion in acrophobia treatment, Cyberpsychology & Behavior, 11 (6), pp. 1-3

14. **Tichon, J**. (2007) Using presence to improve a virtual training environment. Cyberpsychology & Behavior, 10 (6), pp. 781-788.

15. **Tichon, J**. (2007) Training cognitive skills in virtual reality: Measuring performance. Cyberpsychology & Behavior, 10 (2), pp.286-289.

16. **Tichon, J**. (2007) The use of expert knowledge in the development of simulations for train driver training. Cognition, Technology & Work, 9 (4), pp 177 - 187.

17. **Tichon, J.** & Banks, J. (2006) Virtual reality exposure therapy: 150-Degree screen to desktop PC. Cyberpsychology & Behavior, 9 (4), pp.480-487.

18. **Tichon, J**., Loh, J. & King, R. (2004) Psychology student opinion of virtual reality as a tool to educate about schizophrenia. International Journal on E-Learning, 3 (4), pp. 40 – 46.

19. **Tichon, J**. (2004) Social support and the Internet. Telemedicina: Salute e Societa, 3 (3, Suppl), pp141-148.

20. **Tichon, J.** & Banks, J. (2003) The application of virtual reality to the understanding and treatment of Schizophrenia. Lecture Notes in Artificial Intelligence, 2773, pp1064-1068.

21. **Tichon, J**., Banks, J. & Yellowlees, P. (2003) The development of a virtual reality environment to model the experience of Schizophrenia. Lecture Notes in Computer Science, 2659, pp11-19.

22. Banks, J., Eriksson, G., Burrage, K., Yellowlees, P., Ivermee, S. & **Tichon, J**. (2003) The construction of psychotic hallucinations in virtual reality. Journal of Network & Computer Applications, 27(1), pp1-11.

23. **Tichon, J**. & Struber, J. (2003) Minimum technical requirements and evaluating effectiveness of teleradiology. Technology and Health Care, 11 (6) pp.391-398

24. **Tichon, J.** & Shapiro, M. (2003) The process of sharing social support in cyberspace. Cyberpsychology and Behavior, 6 (2), pp.161-170.

25. **Tichon, J**. & Shapiro, M. (2003) With a little help from my friends: Children, the Internet and social support. Journal of Technology in Human Services, 21 (4), pp73-92.

26. **Tichon, J**. & Yellowlees, P. (2003) Internet social support for children and adolescents. Journal of Telemedicine and Telecare, 9 (4), pp.238-240.

27. **Tichon, J.** (2002) Problem-based learning: A case study in providing e-health education using the internt. Journal of Telemedicine and Telecare, 8 (3), pp.66-68.

28. **Tichon, J**. (1998) Abuse of adults with an intellectual disability by family caregivers: The need for family-centred intervention. Australian Social Work, 51 (1), pp. 55-59.

Refereed Conference Papers:

29. Visser, T.A.W, **Tichon, J** & Diver, P (2012) Reducing the Dangers of Operator Distraction through Simulation Training, Proceedings of Simtect 2012: Integrated Solutions, Adelaide 18-21 Jun, Adelaide Convention Centre, Australia.

30. **Tichon, J**., Wallis, G & Riek, S (2011) The Role of Affect in Evaluating Performance, Proceedings of Simtect 2011: Achieving excellence in training and decision support through simulation, Melbourne 30 May-2 Jun, Melbourne, Australia, pp.245-250.

31. **Tichon, J.,** Watson, G., Wallis, G., Banks, J., & Mavin, T. (2010) Measurement of Affect during Simulation-based Training, Proceedings of 46th Annual Conference of the Human Factors and Ergonomics Society of Australia, Safer and More Productive Workplaces, Oct 31- Nov 2, Twin Waters, Sunshine Coast, Queensland, pp.53-64.

32. Wallis, G. **Tichon, J.** & Mildred, T. (2007) Speed Perception as an Objective Measure of Presence in Virtual Environments, Proceedings of Simtect, Brisbane. 4-7 Jun, Brisbane, Australia, pp.527-531.

33. **Tichon, J**. Wallis, G. & Mildred, T. (2006) Virtual Training Environments to Improve Train Driver's Crisis Decision-Making, Proceedings of Simtect, Melbourne. 29 May-1 Jun, Melbourne, Australia.

34. Banks, J., Ericksson, G., Ivermee, S., Burrage, K., Yellowlees, P. & **Tichon, J**. (2004) A Virtual Environment to Re-create the Auditory and Visual Hallucinations of Psychosis, Proceedings of ACM SIGGRAPH International Conference on Virtual-Reality Continuum & Its Applications in Industry. 16-18 Jun, Singapore, pp. 45-48.

35. **Tichon, J**. Hall, R. & Higlers, M.G. (2003) Education and training in virtual environments for disaster management. Proceedings of the World Conference on Educational Multimedia, Hypermedia & Telecommunications. 23-28 June. Honolulu, Hawaii. pp1191-1194.

36. **Tichon, J.** (2003) Enhancing experiential learning via virtual environments. Proceedings of the ED-MEDIA 2003: World Conference on Educational Multimedia, Hypermedia & Telecommunications. 23-28 June. Honolulu, Hawaii. pp.1195-1198.

37. Banks, J., **Tichon, J**., Ericksson, G., Ivermee, S., Burrage, K, & Yellowlees, P. (2003) A virtual environment to simulate the experience of psychosis. Proceedings of DICTA 2003, 7th Conference of Digital Image Computing: Techniques and Applications, 10-12 Dec, Sydney, pp.869-878.

38. **Tichon, J.** (2002) The potential of virtual reality to improve education on psychosis. Proceedings of Elearn 2002: World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education, 15-19 Oct, Montreal, Canada, p121.

39. **Tichon, J.** (2002) Problem based learning. Proceedings of the 2nd International Conference on Successes and Failures in Telehealth. 1-2 Aug, Brisbane, Australia, p142-146.

OTHER CONFERENCE PRESENTATIONS

40. **Tichon, J.** (2003) The Application of Virtual Reality to the Understanding and Treatment of Schizophrenia. 7th International Conference on Knowledge-Based Intelligent Information & Engineering Systems, Sept 3-5, University of Oxford, United Kingdom.

41. **Tichon, J**. (2003) Keynote Address: Using virtual reality to educate medical staff and clinical interventions in Schizophrenia, Proceedings of the Tromso Telemedicine Conference. 15-17 September. Tromso, Norway. p86.

42. **Tichon, J.** (2002) The Expansion of eHealth in Physiotherapy. 2002 Annual Australian Physiotherapy Association Conference: e-Physiotherapy, 9-10 August, Cairns, Australia

43. **Tichon, J**. (2001) Information Technology: Tips and Traps for Research and Practice, The 4th Australian and New Zealand Cystic Fibrosis Conference, Brisbane, Qld

PUBLISHED REPORTS

44. **Tichon, J**. & Burgess-Limerick, R. (2009) A Review of Virtual Reality as a Medium for Safety Related Training in the Minerals Industry: Coal Services Health and Safety Trust Grant Number 20578. http://burgess-limerick.com/download/e6.pdf

45. **Tichon, J**. & Wing K (1991) Resolving Consumer Complaints about Housing Assistance: Report on Community Consultations. QLD Dept. of Housing & Local Government. ISBN 0646085727, Dewey # 363.5809943. Libraries Aust ID 26488704.