

Robert R. Horn, Ph.D.
Abbreviated Curriculum Vitae

EDUCATION	2003	Ph.D.	Liverpool John Moores University, England
	1995	MS	West Chester University, PA.
	1992	BS	University of Liverpool, England

PEER REVIEWED PUBLICATIONS AND BOOK CHAPTERS

- Horn, R.R.**, Williams, A.M., Hodges, N.J., Hayes, S.J. & Scott, M.A. (2007). Demonstration as a rate scaler: the facilitative role of demonstration in early skill acquisition. *Journal of Sports Sciences*, 25, 599-614
- Hayes, S.J., Hodges, N.J., Scott, M.A., **Horn, R.R.**, and Williams, A.M. (2007). The efficacy of point light demonstrations in teaching children an unfamiliar movement: effects of perceptual training and task constraints. *Journal of Sports Sciences*, 25, 559-575.
- Hodges, N.J., Hayes, S.J., Eaves, D., **Horn, R.R.** & Williams, A.M. (2006). End-point trajectory matching as a method for teaching kicking skills. *International Journal of Sport Psychology*, 37, 230-247
- Hayes, S., Hodges, N.J., Scott, M.A., **Horn, R.R.** & Williams, A.M. (2006). Scaling a motor skill through observation and practice. *Journal of Motor Behavior*, 38, 357-366.
- Hodges, N.J., Hayes, S.J., Eaves, D., **Horn, R.R.**, & Williams, M.A. (2006). The effectiveness of ball trajectory and-point templates in the acquisition of soccer skill. *International Journal of Sports Psychology*, 37.
- Hayes, S.J., **Horn, R.R.**, & Hodges, N.J., Scott, M.A., & Williams, A.M. (2005). The relative effects of demonstrations and outcome information in the teaching of novel motor skills. In T. Reilly, J. Cabri, & D. Araujo (Eds.) *Science & Football V* (pp. 622-625). London: Taylor & Francis.
- Hodges, N.J., Hayes, S.J., **Horn, R.R.**, & Williams, A.M. (2005). Changes in coordination, control and outcome as a result of extended practice with the non-dominant foot on a soccer skill. *Ergonomics*, 48, 1672-1685.
- Horn, R.R.**, Williams, A.M., Scott, M.A. & Hodges, N.J. (2005). Visual search and coordination changes in response to video and point-light demonstrations without KR motion. *Journal of Motor Behavior*, 37, 265-275.
- Horn, R.R.**, Williams, A.M. (2004). Observational learning: is it time we took another look? In A.M. Williams, N.J. Hodges (Eds.), *Skill Acquisition in Sport: Research, Theory and Practice* (pp 175-206). London: Routledge.
- Scott, M.A., Williams, A.M. & **Horn, R.R.** (2003). The coordination of kicking techniques in children. In G. Savelsbergh, K. Davids, J. van der Kamp, & S. Bennett (Eds), *Development of Movement Coordination in Children: Applications in the Field of Ergonomics, Health Sciences and Sport* (pp. 241-250). London: Routledge.
- Horn, R.R.**, Williams, A.M. & Scott, M.A. (2002). Learning from demonstrations: the role of visual search during observational learning from video and point-light models. *Journal of Sports Sciences* 20, 253-269.
- Williams, A.M., **Horn, R.R.** & Hodges, N. J. (2002). Skill acquisition. In T. Reilly and A.M. Williams (Eds.), *Science and Soccer* (2nd ed., pp. 198-213). London: Routledge.
- Williams, J.G & **Horn, R.R.** (1995). Exercise intensity effects on peripheral perception of soccer player movement. *International Journal of Sports Vision*, 2 (1), 117-129.

PAPERS UNDER REVIEW

- Horn, R.R.**, Williams, A.M., Hodges, N.J., & Scott, M.A. The contribution of relative motion to the perception and replication of dynamics. Under revision and review at *Psychology of Sport and Exercise*.

Horn, R.R., Hodges, N.J., Williams, A.M. & Hayes, .S.J. Kinematic specification of the =perception of relative motion differences: Toward bandwidths for the imitation of movement. Submitted.

Horn, R.R., Williams, A.M. & Hayes, S.J. & Bush, K.A. Coaching motor skills to children aged 7-11 years through a developmental perspective: Planning instruction with constraints in mind. Submitted.

MANUSCRIPTS IN PREPARATION

Horn, R.R. & Capparelli, S. Reducing negative demonstration-intrinsic visual KR interaction effects through target scaling. To be submitted to the *Journal of Motor Behavior*.

PROFESSIONAL PUBLICATIONS

Milligan, I., Borrie, A. & **Horn, R.R.** (2007). Technical analysis of Futebol de Salao and mini football. *Insight Live: The online F.A. Coaches Association Journal*.

Horn, R.R. & Williams, A.M. (2004). The Development of Football Skills from Ages 7 to Adulthood: The Role of the Coach as a Mediator on the Path to Skilled Performance. *Insight: The F.A. Coaches Association Journal*. 7 (3), 51-55.

Horn, R.R. & Williams, A.M. (2004). Development of Football Skills from Ages 4 to 7 years: Constraints, Rate Limiters and the Role of the Coach. *Insight: The F.A. Coaches Association Journal*, 7 (2), 65-67.

Horn, R.R. & Williams, A.M. (2003). Rate limiters on the development of skill in football. *Insight: The F.A. Coaches Association Journal*, 7 (1), 59-62.

Williams, A., Williams, A.M. & **Horn, R.R.** (2003). The physical and technical demands of different playing positions. *Insight: The F.A. Coaches Association Journal* 6 (2), 24-28.

Horn, R.R. & Williams. A.M. (2002). A look ahead to World Cup 2002: what do the last 40 years tell us? *Insight: The F.A. Coaches Association Journal* 5 (2), 26-29.

Horn, R.R. (2002). World-wide review of science and football research. *Insight: The F.A. Coaches Association Journal* 5 (3), 20-21.

Horn, R.R. (2002). World-wide review of science and football research. *Insight: The F.A. Coaches Association Journal* 5 (2), 21-22.

Horn, R.R. (2002). World-wide review of science and football research. *Insight: The F.A. Coaches Association Journal* 5 (1), 21-22.

Horn, R.R. (2001).World-wide review of science and football research: Report from the 10th World Congress of Sport Psychology. *Insight: The F.A. Coaches Association Journal* 4 (4).

Platt, D., Maxwell, A., **Horn, R.R.**, Williams, A.M. & Reilly, T.P. (2001). Technical and physiological analysis of 3 v 3 and 5 v 5 football. *Insight: The F.A. Coaches Association Journal* 4 (4), 20-21.

Horn, R.R. (2001). World-wide review of science and football research. *Insight: The F.A. Coaches Association Journal* 4 (3), 21-22.

Horn, R.R. (2001). World-wide review of science and football research. *Insight: The F.A. Coaches Association Journal* 4 (2), 23-24.

Horn, R.R. (2001). World-wide review of science and football research. *Insight: The F.A. Coaches Association Journal* 4 (1), 31-32.

Horn, R.R., Williams, A.M. & Grant, A. (2000). Analysis of France in World Cup 1998 and Euro 2000. *Insight: The F.A. Coaches Association Journal*, 4 (1), 40-43.

Horn, R.R. & Williams, A.M. (2000). Introducing Football Skills to Young Children. *Insight: The F.A. Coaches Association Journal*, 3 (3), 26-28.

PUBLISHED CONFERENCE PROCEEDINGS

Horn, R.R., Hodges, N.J., Williams, A.M. & Hayes, S.J. (2006). Kinematic specification of the perception of relative motion differences: Toward bandwidths of expectancy for the imitation of movement. *Journal of Sport & Exercise Psychology*, 28, s86-87.

Horn, R.R., Williams, A.M., Hayes, S.J., Hodges, N.J. & Scott, M.A. (2005). Demonstration as a rate scaler to changes in coordination: The facilitative role of demonstration in early skill acquisition. *Journal of Sport & Exercise Psychology*, 27, s78.

Hayes, S.J., Hodges, N.J., Scott, A.M., **Horn, R.R.** & Williams, A.M. (2005). Scaling a motor skill through observation and practice. *Journal of Sport & Exercise Psychology*, 27, s75.

Horn, R.R., Hodges, N.J., Williams, A.M., & Hayes, S.J. (2004) Identifying critical information for learning in demonstration and instruction. *Journal of Sport and Exercise Psychology*, 26, 116.

Horn, R.R., Williams, A.M. & Scott, M.A. Hayes, S.J., & Hodges, N.J. (2004). Demonstration as a rate scaler to changes in coordination and the impact of usable knowledge of results. *Research Quarterly for Exercise and Sport*, 75, A130.

Williams, A.M., Hodges, N.J., **Horn, R.R.**, Janelle, C.M. & Tenenbaum, G. (2004). New methodologies in the psychology of sport and physical activity. *Journal of Sport and Exercise Psychology*, 26, 115.

Hayes, S.J., **Horn, R.R.**, Hodges, N.J., Scott, M.A. and Williams, A.M. (2004). The relative effect of demonstrations and outcome information in the teaching of novel motor skills. *Journal of Sports Sciences*, 22, 567.

Hayes, S.J., Hodges, N.J., Scott, M.A., **Horn, R.R.**, & Williams, A.M. (2004). Relative effectiveness of video and point-light demonstrations in replicating movement form. *Research Quarterly for Exercise and Sport*, 75, A130.

Hodges, N.J., Hayes, S.J., Eaves, D., **Horn, R.R.**, and Williams, A.M. (2004). Teaching soccer skills through ball-trajectory matching strategies. *Journal of Sports Sciences*, 22, 567-568.

Hodges, N.J., Hayes, S.J., Eaves, D., **Horn, R.R.** & Williams, A.M. (2004). Teaching soccer skills through ball-trajectory matching strategies, in T. Reilly (Ed.), *Science and Football V: The Proceedings of the 5th World Congress on Science and Football* (Routledge).

Horn, R.R., Williams, A.M. & Scott, M.A. (2002). Visual search during observational learning in the absence of visual and auditory feedback. *Journal of Sport and Exercise Psychology*, 24, p.S71.

Horn, R.R., Greenwood, J., Scott, M.A., Williams, A.M. & Hayes, S.J. (2002). Kinematic specification of dynamics in action. *Journal of Sport and Exercise Psychology*, 24, p.S70-71.

Horn, R.R., Williams, A.M. & Scott, M.A. (2001). Visual search, modelling, and practice during the acquisition of a soccer skill. In: A. Papaionnou, M. Goudas & Y. Theodorakis (Eds.) *Proceedings of the International Society of Sport Psychology 10th World Congress of Sport Psychology*, vol. 2, p. 277– 279.

AWARDS

2004 Montclair State University Summer Grant Development Stipend (\$4000).

ACADEMIC EDITORIAL EXPERIENCE

- 2007 Review for *Psychology of Sport and Exercise*
- 2007 Review for the *International Journal of Sports Psychology*
- 2006 Review for the *Journal of Motor Behavior*
- 2006 Review for the *Journal of Sports Sciences*
- 2005 Review for the *Journal of Sports Sciences* (Biomechanics section)
- 2004 Review for the *International Journal of Sport & Exercise Psychology*
- 2002 Review for the *Journal of Sports Science*
- 2002 Review for the *European Physical Education Review*
- 2001 Review for *Perceptual and Motor Skills*
- 2001 Review for the *Journal of Sports Science*
- 2000 Review for the *Journal of Sport and Exercise Psychology*

INVITED LECTURES AND PRESENTATIONS

- 2008 *Game intelligence*. Seminar and clinic presentations at the New Jersey Youth Soccer Association Convention, January 2008.
- 2007 *Unlocking the secrets of soccer using notational match analysis. How to improve team performance and guide coaching*. Presentation at the New Jersey Youth Soccer Association Annual Convention, Jan 2007.
- 2006 *Unlocking the secrets of coordination using 3-D movement analysis*. Presentation to the Athletic Trainers Society of New Jersey.
My scholarship and research agenda. Presentation to the College of Education and Human Services.
Improving children's skill development Critical information for lesson planning and modification. Presentation at the New Jersey AHPERD convention, 2006.
Unlocking the secrets of soccer using notational match analysis. Presentation at the New Jersey Youth Soccer Association Annual Convention
- 2005 *A picture paints a thousand words: Effective use of demonstration in teaching and coaching*. Presentation to the Physical Educators of Millburn School District.
- 2001 *Does Observation of a Skilled Model Facilitate the Learning of a Novel Motor Skill? An Investigation of Visual Search, Outcome and Process Measures in Observational Learning*. Presentation to the graduate school of the Department of Kinesiology, University of Florida, Gainesville.
- 1995 *Tau Theory and Direct Perception in Time-to-contact: Research Evidence and Limitations*. Lecture to undergraduates of the Department of Physical Education, University of West Chester.