7th Annual Meeting of Expertise and Skill Acquisition Network (ESAN)

Hosted by

Coventry University

Wednesday 24th May and Thursday 25th May, 2017

Annual Meeting Programme

Wednesday 24th May, afternoon

12:30-13:00: Arrival

13:00-13:05: Opening Statement and ESAN update (Nick Smeeton, University of Brighton)

13:15-14:30: Oral presentations

Identifying the minimal essential information underpinning familiarity detection in dynamic displays containing multiple objects

Jamie S. North¹, Ed Hope², A. Mark Williams³

¹ Expert Performance and Skill Acquisition Research Group, School of Sport, Health and Applied Science, St Mary’s University, Twickenham, London, UK
² Liverpool John Moores University, UK
³ Department of Health, Kinesiology, and Recreation, College of Health, The University of Utah, U.S.A.

Context and Cognitive Load in Anticipation Skill: A Novel Application of Cognitive Load Theory

Oliver R. Runswick¹, André Roca¹, A. Mark Williams², Neil E. Bezodis³, Allistair McRobert⁴ Jamie S. North¹

¹ Expert Performance and Skill Acquisition Research Group, School of Sport, Health and Applied Science, St Mary’s University, Twickenham, London, UK
² Department of Health, Kinesiology and Recreation, University of Utah, UTAH, USA
³ Applied Sports Technology Exercise and Medicine Research Centre, Swansea University, UK
⁴ Research Institute for Sport and Exercise Sciences, Liverpool John Moores University, UK

Anticipating the Intentions of Others in Soccer: The Impact of Probabilistic Information

N. Viktor Gredin¹*, Daniel T. Bishop¹; David P. Broadbent¹; A. Mark Williams²

¹ Brunel University London, Uxbridge, UK
² University of Utah, Salt Lake City, USA

The impact of probabilistic information and anxiety on performance effectiveness and processing efficiencies in a soccer-based anticipation task

David P. Broadbent¹*; N. Viktor Gredin¹; Jason Rye¹; A. Mark Williams²; Daniel T. Bishop¹

¹ Brunel University London, Uxbridge, UK
² University of Utah, Salt Lake City, USA
14:30-15:00: Break

15:00-16:30: Oral presentations

**The Role of Deliberate Practice and Sampling for Talent Identification in Professional Academy Football: The early preparation concept**

Kelly, A., Williams, C. A., Wilson, M.

*University of Exeter, UK.*

**A database analysis of the youth sport system in United Kingdom track and field athletics**

Philip Kearney

*University of Chichester, UK*

**The effect of action observation and motor imagery on performance of target performance**

Stephanie Romano Smith¹, Caroline Wakefield¹, Greg Wood²

¹Liverpool Hope University, UK
²Manchester Metropolitan University, UK

**Visual attention and neural co-activation reflect conscious processing during prosthetic hand use, but only during object manipulations**

Parr, JVV¹, Harrison, NR², Vine, SJ³, Wilson, MR³, & Wood, G⁴.

¹School of Health Sciences, Liverpool Hope University, Liverpool, UK
²Department of Psychology, Liverpool Hope University, Liverpool, UK
³College of Life & Environmental Sciences, University of Exeter, Exeter, UK
⁴Centre for Health, Exercise and Active Living, Manchester Metropolitan University, UK

16:30-17:00: Break

17:00-18:00: **Annual General Meeting (AGM)**

18:30: **Social Event**

Venue TBC
Thursday 26th May, all day

9:00-9:30: Arrival

9:30-9:45: Introduction (Nick Smeeton, University of Brighton)

9:45-10:45: Keynote speaker: Prof. Geert Savelsbergh, Vrije University, Netherlands

‘Athletic Skills Model: A new innovative programme for optimizing talent development’

10:45-11:15: Keynote discussion

11:15-11:30: Break

11:30-13:00: Symposium 1: The dynamic and multifaceted development of expertise

The Relative Age Effect: If you want to be ‘super elite’ Mum and Dad better get hot in May…

Benjamin D. Jones, Gavin P. Lawrence, & Lew Hardy

Institute for Psychology of Elite Performance, Bangor University, UK

The Developmental History of Elite Spin Bowlers: 12 Game-Changers

Benjamin D. Jones, Gavin P. Lawrence, Lew Hardy, Peter Such, Raphael Brandon, Ludmila Kuncheva, & David Mann

1 Institute for Psychology of Elite Performance, Bangor University, UK
2 England and Wales Cricket Board
3 School of Computer Sciences, Bangor University, UK
4 MOVE, Vrije Universiteit Netherlands

Expertise Development in Practice

Vicky M. Gottwald

Institute for Psychology of Elite Performance, Bangor University, UK

13:00-14:30: Lunch, Posters and Networking

14:30-16:00: Symposium 2: The neural underpinnings of motor skill acquisition: An electroencephalographic perspective (Introduction from Chair, Christopher Ring)

Electroencephalographic high-alpha power and connectivity distinguish experts from novices and successful from unsuccessful golf putts

Andrew Cooke, Germano Gallicchio & Christopher Ring

1 Institute for Psychology of Elite Performance, Bangor University, UK
2 School of Sport, Exercise & Rehabilitation Sciences, University of Birmingham, UK
Practice makes efficient: Effects of golf practice on brain activity

Germano Gallicchio\(^2\), Andrew Cooke\(^1\) & Christopher Ring\(^2\)

\(^1\) Institute for Psychology of Elite Performance, Bangor University, UK
\(^2\) School of Sport, Exercise & Rehabilitation Sciences, University of Birmingham, UK

The mosaic of reinvestment: motor chunks, conscious processing, and EEG activity during sequence acquisition and performance under pressure

Eduardo Bellomo, Andrew Cooke & James Hardy

Institute for Psychology of Elite Performance, Bangor University, UK

16:00-16:15: Conference closing statement and awards

Poster Presentations

Effects of Brain Endurance Training on Endurance Exercise Performance

Dallaway, N., Lucas, S.J.E., Ring, C.

Sport, Exercise & Rehabilitation Sciences, University of Birmingham, UK

The effect of visual occlusion on receiving and passing a football in soccer

Alan Dunton, Edward K. Coughlan, Cian O’ Neill

Cork Institute of Technology, Ireland

The effect of attentional focus on flow

David Harris\(^1\), Gabriele Wulf\(^2\) & Mark Wilson\(^1\)

\(^1\) Sport and Health Science, University of Exeter, UK
\(^2\) Kinesiology and Nutrition Sciences, University of Nevada, Las Vegas, USA

Expertise differences in the gaze behaviour of rugby union referees during scrum scenarios

Lee J. Moore\(^1\), Chris White\(^2\) & Samuel J. Vine\(^3\)

\(^1\) School of Sport and Exercise, University of Gloucestershire, UK
\(^2\) Professional Game Match Officials Team, Rugby Football Union, UK
\(^3\) Sport and Health Sciences, University of Exeter, UK
Option Generation and Anticipation Behaviour in Tennis

Colm P. Murphy\textsuperscript{1,2}, Robin C. Jackson\textsuperscript{3}, A. Mark Williams\textsuperscript{4}

\textsuperscript{1} Department of Life Sciences, Brunel University, UK
\textsuperscript{2} Expert Performance and Skill Acquisition Research Group, St Mary’s University, UK
\textsuperscript{3} School of Sport, Health and Exercise Sciences, Loughborough University, UK
\textsuperscript{4} Department of Health, Kinesiology and Recreation, University of Utah, USA

The effect of consistent and varied follow-through practice schedules on learning a table tennis backhand

Jamie S. North\textsuperscript{1}, Neil E. Bezodis\textsuperscript{2}, Colm P. Murphy\textsuperscript{1,3}, Oliver R. Runswick\textsuperscript{1}, Chris Pocock\textsuperscript{1}, André Roca\textsuperscript{1}

\textsuperscript{1} Expert Performance and Skill Acquisition Research Group, St Mary’s University, UK
\textsuperscript{2} Exercise and Medicine Research Centre, Swansea University, UK
\textsuperscript{3} Department of Life Sciences, Brunel University, UK

The ‘Stretch’ Coaching Programme: Using naturistic decision-making to create and deliver high performance coaching skills

Alan Olive

One High Performance Coaching

Effects of task and contextual constraints on place kicking performance at the 2015 Rugby World Cup

Chris Pocock\textsuperscript{1}, Neil E. Bezodis\textsuperscript{2}, Keith Davids\textsuperscript{3}, Jamie S. North\textsuperscript{1}

\textsuperscript{1} Expert Performance and Skill Acquisition Research Group, St Mary’s University, UK
\textsuperscript{2} Exercise and Medicine Research Centre, Swansea University, UK
\textsuperscript{3} Centre for Sport Engineering Research, Sheffield Hallam University, UK

Development of Expertise in Elite and Sub Elite British Rugby League Players: A Comparison of Practice Experiences

Martyn Rothwell\textsuperscript{1}, Joseph A. Stone\textsuperscript{1}, Keith Davids\textsuperscript{2}, Craig Wright\textsuperscript{3}

\textsuperscript{1} Academy of Sport & Physical Activity, Sheffield Hallam University, UK
\textsuperscript{2} Centre for Sport Engineering Research, Sheffield Hallam University, UK
\textsuperscript{3} Institute of Coaching and Performance, University of Central Lancashire, UK

The discrimination of deceptive information can be enhanced by training that removes superficial visual information

Donghyun Ryu\textsuperscript{1}, David, L. Mann\textsuperscript{2}

\textsuperscript{1} School of Sport, Health and Exercise Sciences, Bangor University, Bangor, UK
\textsuperscript{2} MOVE, Vrije Universiteit, The Netherlands