

ESAN

Expertise and Skill Acquisition Network

8th meeting of Expertise and Skill Acquisition Network

St Mary's University, Twickenham, London

Wednesday 1st May, 2019

12:00-13:00: **Arrival and registration**

13:00-13:05: **Introduction (Nick Smeeton, University of Brighton and Chair of ESAN)**

13:05-14:15: ***Symposium 1: Challenging culturally resilient beliefs in skill acquisition***

Each presentation is 15 min + 5 min questions (+ 10 min discussion at end).

Presentation 1: Oliver Logan (British Swimming)

Moving away from joystick coaching in swimming skill development: Challenging culturally resilient coaching practices

Presentation 2: Darren Warner (Welsh Judo Association, University of Hertfordshire)

Co-authors: Phil Kearney (University of Limerick) & Mike Callan (University of Hertfordshire)

Start with the end in mind: Creating Britain's first judo World number 1 using a Constraints-led Approach and the implications for pathway coaches

Presentation 3: Edward Coughlan (Cork Institute of Technology)

Co-author: Alan Dunton (Cork Institute of Technology)

Have we seen the last of drills?

14.15-14.30 **Break**

14:30-15:45: **Oral presentations 1**

Each presentation is 10 min + 3 min questions.

Presentation 1: Germano Gallicchio (Loughborough University)

Co-author: Christopher Ring (University of Birmingham)

The advantage of a quiet eye: Visual processing or postural stability?

Presentation 2: Viktor Gredin (Brunel University)*

Co-authors: David P. Broadbent (Brunel University), A. Mark Williams (University of Utah), & Daniel T. Bishop (Brunel University)

Judgement utility modulates the use of explicit contextual priors and visual information during anticipation in soccer

Presentation 3: Marie Simonet (University of Lausanne)*

Co-authors: Hadj Boumediene Meziane (University of Lausanne), Oliver Runswick (University of Chichester), Jamie North (St Mary's University), A. Mark Williams (University of Utah), Jérôme Barral (University of Lausanne), & Andre Roca (St Mary's University)

An EEG investigation of the processing of kinematic and contextual information when anticipating cricket batting

Presentation 4: Laurence Warren-West (Loughborough University)*

Co-authors: Robin C. Jackson (Loughborough University) & Michael J. Hiley (Loughborough University)

Wait! Does earlier detection of deceptive intent facilitate skilled suppression of incorrect motor responses to rugby sidesteps?

Presentation 5: David Alder (Leeds Beckett University)

Co-authors: Jamie Poolton (Leeds Beckett University) & David P. Broadbent (Brunel University)

The impact of physiological load on anticipation skills in badminton: From testing to training

15.45-16:00 **Break / General Discussion**

16:00-17.15 **Oral presentations 2**

Each presentation is 10 min + 3 min questions.

Presentation 1: Gavin Lawrence (Bangor University)

Co-authors: Ben Jones (Bangor University) & Lew Hardy (Bangor University)

Assessing expertise in cricket using non-linear pattern recognition (machine learning) techniques

Presentation 2: Katherine Victoria Sparks (University of Birmingham)*

Co-author: Christopher Ring (University of Birmingham)

The effects of sport-specific conscious processing on competitive performance under pressure

Presentation 3: Jamie Poolton (Leeds Beckett University)

Co-authors: Mitchell Joiner (Leeds Beckett University), Andrew Manley (Leeds Beckett University), Paul Parker (Defence Medical Service, University College Cork), Adrian Mellor (Defence Medical Services, Leeds Beckett University), & John O'Hara (Leeds Beckett University)

Hypoxia impairs the performance of tasks designed to reproduce the in-situ demands placed on military medical response personnel

Presentation 4: Sam Vine (Exeter University)

Virtual reality for sport: A reality, or virtually impossible?

17.15-17.30 **Break / General Discussion**

17.30-18.00 **End of Day Presentation: Ludovic Seifert (University of Rouen)**

The functional role of movement coordination variability: How ‘degenerate’ neurobiological systems are able to exploit system stability and flexibility in their movement coordination?

19.00 **Social**

Thursday 2nd May, 2019

9:30-9:55: **Arrival**

10:00-10:05: **Introduction: Nick Smeeton (University of Brighton and Chair of ESAN)**

10:05-11:00: **Keynote speaker: Dr. Julie Gore (University of Bath)**

Keynote: Naturalistic Decision Making (NDM) and expertise

11.00-11.15 **Break: Tea and coffee**

11:15-12:30: **Symposium 2: An Ecological Dynamics framework for practitioners**

Each presentation is 15 min + 5 min questions (+ 10 min discussion at end).

Presentation 1: Ludovic Seifert (University of Rouen)

Exploration, affordances & creativity: Contribution of the Ecological Dynamics framework

Presentation 2: Ric Shuttleworth (Rugby Football Union)

Ecological Dynamics in sport: Experiential knowledge of elite performers and coaches on ‘what is skilled performance behaviour’

Presentation 3: Chris Pocock (St Mary’s University)

Using experiential knowledge to identify key constraints in competitive performance environments: Implications for representative practice environments

12.30-13.00 **General Discussion:** Julie Gore, Ludovic Seifert, Christopher Ring

13:00-14:30: **Lunch, Posters** and Networking plus Tea/Coffee**

14:30-15:45: ***Symposium 3: The use of video feedback to develop tactical knowledge and game understanding***

Presentation 1: Allistair McRobert (Liverpool John Moores University)

**The use of video feedback to develop tactical knowledge and game understanding:
A scientific perspective**

Presentation 2: Alex Scanlon (The Football Association)

**The use of video feedback to develop tactical knowledge and game
understanding: A perspective from The Football Association**

Presentation 3: Pam Richards (Richards (Wrexham Glyndwr University)

**Operationalisation of tactical shared mental models: Integrating off-field
reflection with in-action, on-field training/competition to accelerating team
decision-making**

15:45-16:00: **Conference closing statement and awards**

**** Posters**

Kevin Smith (Cork Institute of Technology)

**‘What are they coaching and how are they coaching it’: An analysis of coaching
behaviours across different age grades of amateur rugby union**

Paul Dancy (St Mary's University)

The effect of equipment modification on novice cricket players’ batting performance

Emma Jane McLoughlin (Brunel University)

Characteristics of expert decision making in Gaelic football: A focus group study

Sam Jermyn (Cork Institute of Technology)

An investigation into the impact of training with a weighted football on kicking distance in Gaelic football

Thomas Simpson (Edge Hill University)

A systematic review of motivational and attentional variables to children's fundamental motor skill development: The OPTIMAL Theory

Paul Ellison (Edge Hill University)

Visual search strategies in gymnastics coaching: Exploring the effects of skill complexity and coach experience

Adam Kelly (Birmingham City University/Exeter City FC)

Relative age effect reversal in an English professional football club

Martyn Rothwell (Sheffield Hallam University)

Exploring forms of life in player development pathways: The case of British rugby league

Nicholas Kalakoutis (Oxford Brookes University)

Comparing the effects opposed and unopposed practices have on skill acquisition and transfer to the competitive environment

Phil Birch (Chichester University)

Smart phone video analysis during practice affects focus of attention and performance in skilled golfers

Zoe Wimshurst (AECC University College)

Visual skills of elite athletes: A screening study

Oliver Runswick (Chichester University)

The effect of match play context on cognitive effort and perceptual-motor performance in golf putting

Harry Ramsey (Portsmouth University)

An exploratory analysis of variability in the visual control and coordination of basketball free-throw shooting

David Harris (Exeter University)

Assessing the effect of virtual reality training on quiet eye durations and golf putting performance

Kirsty Brock (Winchester University/ AECC University College)

A simple dual task improves novel skill learning

Laurence Warren-West (Loughborough University)

Sidesteps and signal detection: Deceptive actions bias responses and impair discriminability

Matt Shaw (Chichester University/Inner Drive)

An in-situ investigation into cognitive processes of professional and amateur golfers when green reading

Francesco Dimundo (Birmingham City University/Worcester Warriors RFC)

Talent identification and development in male rugby union: A systematic review

Matthew Andrew (Liverpool John Moores University)

Developmental activities of elite British rugby league players

Natalie Meder (Exeter University)

The effects of cognitive training on perceptual-cognitive performance under high and low pressure

Benjamin Franks (University Campus of Football Business/Oxford Brookes University)

**Investigating the representative nature of perceptual research experiments:
(Re)understanding football goalkeepers expertise**

Alan Dunton (Cork Institute of Technology)

An ecological approach to spatial occlusion during a control and passing task in football

Danny Powell (British Swimming, Manchester Metropolitan University)*

Motor skill learning at British Para swimming: Current practices in relation to focus of attention and contextual interference