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Occupational Science &
Technology Research Lectureship
Friday, December 14, 2018 • 9:00 am-1:00 pm

Union West Ballroom

Proceedings:

[https://uwm.edu/healthsciences/event/
occupational-science-technology-research-
lectureship/](https://uwm.edu/healthsciences/event/occupational-science-technology-research-lectureship/)

Schedule of Events	
8:00-9:00am	Breakfast with Dr. James Patton (Postdoctoral fellows, PhD students, and PTE officers)
9:00-10:15am	Poster Presentations
10:15-10:25am	Introduction Dr. Brooke Slavens
10:25-10:30am	Welcome Remarks Interim Dean Raymond Fleming
10:30am-Noon	Podium Presentations Introduced by Dr. Brooke Slavens
Noon-1:00pm	Keynote by Dr. James Patton Introduced by Dr. Roger Smith
1:00pm	Concluding Remarks Dr. Brooke Slavens
1:05-2:00pm	Lunch



Keynote Speaker

James L. Patton, PhD

Professor of Bioengineering at the University of
Illinois at Chicago
Senior Research Scientist at Shirley Ryan
Ability Lab

Research focus on computational modeling of
biomechanics, the neural control of actions, motor
learning, and neurorehabilitation



Occupational Science & Technology Research Lectureship Proceedings

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Occupational Therapists Perspectives on the Potential Use of Performance Profiling in Occupational Therapy Practice

Michelle Perryman and Karen Morris, PhD
University of Cumbria – England

Introduction

Client centred practice is seen to be vital to the occupational therapy profession. However, there are ongoing challenges to promote our professional values and meet the expectations of services and organisations. There is still a significant shift needed from therapist led sessions to truly collaborative therapy (Sumsion 2006). As a result, the research introduced an alternative method in the form of Performance Profiling to occupational therapy. Performance Profiling is a natural application of Kelly's (1955) Personal Construct theory that is utilised within sporting psychology (Butler and Hardy 1992). The method offers a systematic approach to enhance the understanding of how athletes rate their physical, psychological and technical skill development to enable optimum performance. This supports collaboration to build ideal intervention based on the athlete's perception of need (Doyle & Parfitt 1997).

Methods/Design

The research utilised a social constructionist qualitative method which included a workshop introduction, interview or focus group. The participants were asked two questions 1. To share their thoughts about Performance Profiling and 2. Whether they thought it could support Occupational Therapy Practice. Nine expert occupational therapist from three counties participated. The data was thematically analysed.

Results and Discussion

Four major themes were found, theoretical perspectives, practice settings, promoting communication and education. There was an agreement that Performance Profiling had potential use of supporting occupational therapy practice by promoting effective communication with clients. However, further research is required to understand its contribution to the client therapist relationship. This research is a first of a grounded theory doctoral research to provide insight into the valuable communication within the therapy process.

Acknowledgements

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Prior submissions:

This research has been presented at; The Royal College of Occupational Therapists- UK (2015) with developments presented at the; American Association of Occupational Therapists (2018).

References

- Butler, R. and Hardy, L., (1992) The Performance Profile; Theory and Application. *The Sport Psychologist* 253-264
Doyle, J. and Parfitt, G. (1997) 'Performance Profiling and Construct Validity'. *The Sports Psychologist* 11.
Kelly, G., (1955). The psychology of personal constructs. [First edition]. edn. New York : Norton.
Sumsion, T., (2006) Client-centered practice in occupational therapy: a guide to implementation. 2nd Edn. Philadelphia: Churchill-Livingstone