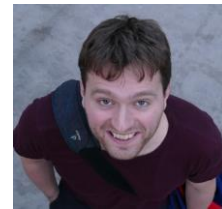


# Dr. Matthias Kempe – Curriculum Vitae

Dr. Dipl.-Sporting. Matthias Kempe  
Zilvergeldstraat 55, 3513VP Utrecht  
\* 27.11.1983 in Frankenberg



## Employment

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01/03/2018-present University of Groningen - University Medical Center Groningen  
Center for Human Movement Sciences

### Assistant Professor

01/07/2016 - 01/03/2018 German Sport University Cologne,  
Institute of Training and Computer Science in Sport

### Lecturer

- Undergraduate teaching (team sports)
- Preparing manuscripts for publications
- Attendance of national and international conferences
- Supervision of master and bachelor theses

16/05/2016 - 01/03/2018 German Sport University Cologne,  
Institute of Training and Computer Science in Sport

### Research Associate

- Project coordination “Development and evaluation of an instruction based motivation program to enhance performance in elite sport”
- Planning of research projects; data collection and analysis (several German national teams )
- Preparing manuscripts for publications
- Attendance of national and international conferences
- Supervision of master and bachelor theses and undergraduate teaching

12/10/2015 - present German Sport University Cologne,  
Institute of Training and Computer Science in Sport

### Lecturer and study course coordinator M. A. Match Analysis

- Coordination of the Curriculum
- Supervision of master theses and graduate teaching

## Education

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05/2011-04/2016 **Doctoral degree in sport science (Dr. spowis., PhD)** „magna cum laude“  
Research field: Change of cognitive (memory) abilities over the life span  
German Sport University Cologne, Supervised by Prof. Dr. Daniel Memmert

**Thesis Title:** „ The Shopping Paradigm- An Exploration of Everyday Memory”

05/2011 - 05/2014 German Sport University, Cologne, Germany  
**Scholarship holder in the graduate training programme**  
„Impaired mobility of older adults - causes and counteractive measures“

10/2003 - 04/2011 **Diploma Sport engineering** (Dipl. Sporting), Otto-von-Guerike University Magdeburg, Germany

## **EDITOR & ADHOC-REVIEWER**

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Editor International Journal of Sports Science & Coaching

Guest Editor Frontiers in Sports and Active Living- Special Issue Using Artificial Intelligence to Enhance Sport Performance

Reviewer:

- International Journal of Sport Science
- Journal of Human Movement Sciences
- Journal of Sport Science
- European Journal of Sport Science
- Cogent Social Sciences
- Gerontology
- Journal of Sports Analytics
- Psychology of Sport & Exercise
- Journal of Applied Social Psychology
- Science and Medicine in Football
- International Journal of Sports Science & Coaching
- Scientific Reports
- Machine Learning

## **PEER REVIEWED ARTICLES**

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van der Zwaard, S., Otter, R. T., **Kempe, M.**, Knobbe, A., & Stoter, I. K. (2023). Capturing the Complex Relationship Between Internal and External Training Load: A Data-Driven Approach. *International Journal of Sports Physiology and Performance*, 18(6), 634-642. Retrieved Nov 8, 2023, from <https://doi.org/10.1123/ijsp.2022-0493>

Goes, F.R., **Kempe, M.**, Meerhoff, L.A., Lemmink, K., A., P., M. (2018) Not every pass can be an assist: a data-driven model to measure pass effectiveness in professional soccer matches. *Big Data*, DOI: 10.1089/big.2018.0067.

**Kempe, M** & Memmert, D. (2018): “Good, better, creative”: the influence of creativity on goal scoring in elite soccer, *Journal of Sports Sciences*, 36(21):2419-2423. DOI:10.1080/02640414.2018.1459153

**Kempe, M.**, Kalicinski, M, Memmert, D. (2015). Naturalistic assessment of everyday memory performance among older adults. *Experimental Aging Research*. Vol. 41, Issue 4, p. 426-445

**Kempe, M.**, Grunz, A., Memmert, D. (2014). Detecting tactical patterns in basketball: Comparison of merge self-organising maps and dynamic controlled neural networks, *European Journal of Sport Science*