



Peter Katona

- Assistant lecturer
- Department of Kinesiology
- Year of birth: 1987

Qualifications, academic degrees

University degrees

- Human Kinesiology (MSc)

Professional career

Previous and current jobs, positions and titles

- Assistant lecturer at the Hungarian University of Sport Science, 2013 – present
- Performance diagnostics expert at the Hungarian Canoe Federation, 2017 – 2023

Key study trips, missions

- Research methodology scholarship at the Laboratoire INSERM, Université de Bourgogne, Faculté des Sciences du Sport, Dijon, France and Istituto Italiano di Tecnologia, Genova, Italy 2013 (Grant by Semmelweis University, Hungary)
- Attended the ISMC Motor Control Summer School in 2010, 2012, and 2014
- Completed the program: Intensive Junior Faculty Virtual Exchange – Sports Science Teaching Methods, Course Development, and Academic Professionalization, University of New Mexico in Albuquerque, New Mexico, USA, 2021



Language skills

language	speaking skills	writing skills	reading skills	do you do media appearance?
Hungarian	5 – native	5 – native	5 – native	yes
English	4 – full professional proficiency	4 – full professional proficiency	4 – full professional proficiency	yes
German	1 – elementary proficiency	1 – elementary proficiency	1 – elementary proficiency	no

Research, expert activities

Major subjects and topics taught

- Motor control
- Neuromechanics

Field and discipline

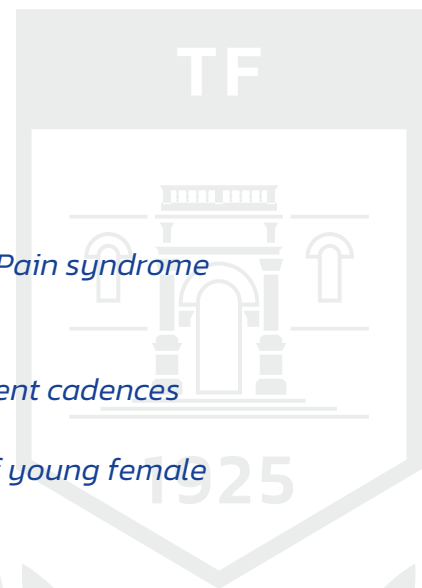
- Biomechanics
- Movement analysis

Current research topics

- Biomechanics of different sport movements
- Neural control of muscles in patients with Lower Back Pain syndrome

Former research topics

- The control of thigh muscles during cycling with different cadences against different loads
- The correlation between knee stability and mobility of young female rhythmic gymnasts



Key research

- Katona P., Pilissy T., Tihanyi A., Laczko.: *The combined effect of cycling cadence and crank resistance on hamstrings and quadriceps muscle activities during cycling.* ACTA PHYSIOLOGICA HUNGARICA 101: 4 pp. 505–516. , 12 p. (2014)
- Nagy G., Komka Zs., Szathmáry G., Katona P., Gannoruwa L., Erdős G., Tarjányi P., Tóth M., Krepuska M., Grand L.: *Multimodal Approach for Kayaking Performance Analysis and Improvement.* INTERNATIONAL JOURNAL OF COMPUTER SCIENCE IN SPORT 19 : 2 pp. 51–76. , 26 p. (2020)

Membership of a scientific or professional organisation or body

- Hungarian Society for Sport Sciences
- International Society of Motor Control

Publications

- My publications in MTMT (Catalogue of Hungarian Scientific Works)
<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10027141&page=2;20>

Contacts

University residence

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Other professional profiles

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- MTMT:
<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10027141&view=dataSheet>
- Other(s):
<https://www.researchgate.net/profile/Peter-Katona-3>

