

Scientific Symposium: Biomechanics in Sports and Ageing

Organiser: Department of Kinesiology
Hungarian University of Sports Science (HUSS)

Date: 11 October 2023

Time: 8:00 – 14:30

Location: Dr. Koltai Jenő Sportközpont, HUSS Campus

Address: 2-10 Csörsz utca, 1123 Budapest, Hungary

See the programme below.

The event is free of charge, however, **pre-registration by 25 September** is required. Scan the QR code or click [here](#) to pre-register.



SCIENTIFIC SYMPOSIUM: BIOMECHANICS IN SPORTS AND AGEING

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Location: Dr. Koltai Jenő Sportközpont, HUSS (2–10 Csörsz utca, 1123 Budapest)

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Chair: Professor Emeritus József Tihanyi (HUSS)

Co-chairs: András Hegyi (HUSS), Annamária Péter (HUSS)

MORNING PROGRAMME

8:00–8:30 Registration

8:30–8:35 Opening

Professor Zsolt Radák, Vice-Rector for Scientific and Innovation Affairs (HUSS, Hungary)

8:35–9:00 Biomechanics of the Achilles tendon

Professor Toni Arndt (Swedish School of Sport and Health Sciences, Sweden)

9:00–9:25 High-density surface electromyography provides accurate estimates of muscle excitation

Asst. Professor Taian Martins Vieira (Politecnico di Torino, Italy)

9:25–9:50 Gait biomechanics in ageing

Professor Tibor Hortobágyi (HUSS, Hungary)

- 9:50–10:15 Exploring gait dynamics through Mobile Brain/Body Imaging
Ass. Professor Uroš Marušič (Institute for Kinesiology Research, Slovenia)
- 10:15–10:45 Coffee break
- 10:45–11:15 Keynote presentation honouring the 50th anniversary of the International Society of Biomechanics: Biomechanics of advanced footwear technology
Professor Toni Arndt (Swedish School of Sport and Health Sciences, Sweden)
- 11:15–11:45 Roundtable discussion on the future of biomechanics in sports and exercise science

AFTERNOON PROGRAMME

- 13:00–14:30 Demonstration: the use of high-density EMG in high-speed movements
Asst. Professors Taian Martins Vieira & András Hegyi



**HUNGARIAN UNIVERSITY
OF SPORTS SCIENCE**

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