

Thursday 19 February

9:00 – 10:30	Sports 1
10:30 – 11:00	Coffee Break
11:00 – 12:30	Sports 2
12:30– 13:00	Poster Presentation
13:00– 14:00	Lunch
14:00– 15:30	Sports 3
15:30 – 16:00	Coffee Break
16:00 – 17:45	Sports 4

Sports 1- Chairperson Cristian Romagnoli		
9:00	Hauschultz	Mechanical Development of a Multi-Material Kayaking Balance Trainer with Topology Optimization of an LPBF-Manufactured Structural Component
9:15	Ehrhardt	Enhancing Athlete Motivation in Kayak Racing Sports: A Prototype for Gamified Balance Training using an ESP32-Based System
9:30	Ziegler	Velocity and stroke rate reconstruction of canoe sprint team boats based on panned and zoomed video recordings
9:45	Bianca	Physiology-informed LSTM Networks for Predicting Body Temperature Dynamics
10:00	Martinez	Modeling pedaling kinematics for cycling aerodynamic analyses
10:15	Costa	Enhancement of skier performance combining adjoint-CFD and wind tunnel tests

Sports 2 - Chairperson Bruno Ruscello		
11:00	Boatta	Nanotechnology Devices in Sport: Taopatch® and Its Impact on Efficiency and Metabolic Control
11:15	Bruno Basilicata	Smart oral appliances for enhancing athlete performance and safety
11:30	Farina	Acute Effects Induced by Individualized Whole-Body Vibration on Spatiotemporal Parameters and Plantar Pressures during Walking and Running
11:45	Grossi	Taopatch® for Early Fall-Risk Prevention in Adults Over 50: A Pilot Study on Acute Postural and Gait Adaptations
12:00	Belotti	Gravitational Assessment and Reconditioning of Warm-Up and Cool-Down: A Neuro-Mechanical Proposal
12:15	Jurchiş	Illusory Awareness in Professional Table Tennis Players: A Kinematic Analysis of Consciously Reproduced Stroke Parameters

Sports 3 - Chairperson Giuseppe Annino		
14:00	Romagnoli Buzzelli	A New Incremental Test for the Assessment of Racquet Sports Specific Endurance: Sigma Test 2026
14:15	Wakili	A machine Learning approach to predicting maximal strength from large-scale resistance training logs.
14:30	De Lazzari	A preliminary investigation of the association between health status indicators and performance in youth soccer players
14:45	Caramia	Exploring the relationship between health status, nutrition, and physical capacities in child soccer players
15:00	Swart	Isometric neck strength, positional play, and injury prevalence of 1st team club-level rugby players in Nelson Mandela Bay
15:15	Ruscello	Coaching Strategies and Performance in Elite Italian Football: An Observational Analysis Leveraging Open-Source Data and Web-Scraping Techniques

Sports 4 - Chairperson Vincenzo Bonaiuto		
16:00	Brambilla	A Wearable Sensor Framework for Phase-Specific Performance Analysis in Para Swimming
16:15	Della Loggia	Sensorized target prototype for Water Polo Ability shooting assessment.
16:30	Bondi	Pilot evidence a multi-modal, IMU-based approach for identifying early kinematic disruption in patients with multiple sclerosis and negligible disabilities
16:45	Vitarelli	Postural Control and Fall Risk After Acute Cardiovascular Events: A Pre-Post Cardiac Rehabilitation Study Using a Baropodometric Platform and IMU-Based Analysis.
17:00	Gómez Valdés	Adapted Sport In The School Context, A Strategy For Its Planning
17:15	Caporaso	Sports engineering education in Europe: the case study of ARTISTE
17:30	Olivié	Snowboarding biomechanics for people with lower limb amputation