

INTERNATIONAL CONFERENCE

ADM 2023

September 06th – 08th, 2023 – Florence (Italy)



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



ISEA
INTERNATIONAL SPORTS ENGINEERING ASSOCIATION

CALL FOR PAPERS

SPECIAL SESSION “DESIGN FOR SPORTS ENGINEERING”

Sports Engineering is a highly interdisciplinary field that connects sport science, mechanical engineering, information technology engineering, human factors and medicine. It represents the technical application of math and physics to solve sporting problems. Main focus is given on “augmented” product design for elite and amatorial athletes, to monitor and enhance their performance, reduce the risk of injury and increase the engagement in sports for young and disabled people. This special session focuses on design methods and development techniques of equipment and devices usable in sport field.

Main topics of interests:

- Sustainable design of sports equipment
- Design and prototyping of smart wearable products
- Technology for disability sports
- Design for inclusion and engagements in sports
- Computational modelling and data analytics in sports field
- Modelling and simulation of athlete-product interaction
- Tools and methods for measurement of athlete’s performance
- Testing methodologies for sports equipment
- Safety devices for athletes and sport fields
- Injury prevention
- Apparel and textile engineering for motor and fun activities
- Human factors in sports
- Design of playground equipment for fun activities
- Circular and sustainable materials for play fields

More details about the conference: <https://www.associazioneadm.it/ADM2023/>

SPECIAL SESSION CHAIRS

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