DOCTORANTS DIGISPORT

SPORT SCIENCES   **DATA SCIENCE**   **COMPUTER SCIENCE**   **ELECTRONICS**   **HUMAN AND SOCIAL SCIENCES**   **LIFE SCIENCES**

SOUEBOU BOURO
Multi-sensors System for in Situ motion Analysis of Kayakers

ANTOINE BOUVET
Monitoring and Modeling of performance in swimming

KAIES DEGHAIES
Optimizing performance in tennis: biomechanical analysis of the serve and natural preferences

ARTHUR GUILLOTEL
Multidisciplinary approach to talent detection and transition from high potential to professional footballer

DAVID MARTIN
Characterization of the link between the gut microbiota and metabolic plasticity

SIMON OZAN
Validation and utilization of a markerless motion capture system to analyze and optimize in-situ biomechanics of the serve in high-level tennis players

TIVIZIO PAVIC
Management of endometriosis through adapted physical activities using a digital tool: acceptance of programs and tools

NOLWENN PINCZON DU SEL
Multifactorial approach to talent identification and development at the French Rugby Federation

LORETTE QUEQUIGNIER
Medical and tactical monitoring of athletes through bio-electronic on-body devices

SONY SAINT-AURET
Virtual Collaborative Jeu de Paume

NOLWENN REGNAULT
Rider's perceptual training for the optimization of rider-horse interaction in jumping

KOFFI AMEZOUWUI
Analysis and clustering of soccer game situations in order to populate virtual environments

ROSSELLA RIZZO
Wearable stretchable interfaces for athletes' performance and health monitoring

VICTOR RESTRAT
Optimization of the pole-vaulter interaction coupling 3D rigid multi-body system and a slender deformable structure model driven by motion capture

JOS DEFORGES
Keep children active

OUMAIMA BADI
(PHOTOMOVE) Photorealistic human motion and style transfer for improving sports training

KILIAN BERTHOLON
(Advanced Quantitative Underwater Tracking and Inertial Capture) : An IMU-based approach

SUNNY WANG
Functional data modelling with applications to sports performance

ADNANE LABDOUNI
Integrated and flexible antenna for sports applications

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JULIEN BORKOWSKI

Esports in Bretagne: A contrasted democratization ? Gender as a reflection element

THÉO BOUZIGUES

Modeling the effects of training on performance and injuries in elite young volleyball players

REBECCA CROLAN

Prediction of lumbar load during landing from jumps in gymnastics for injury prevention and monitoring

FLAVIE DE GEVIGNEY

Advanced photodetector for athlete monitoring

ROMAIN DEMAY

Origins and consequences of fatigue during prolonged exercise at variable intensity: Application to high-performance cycling
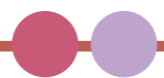
YANNIS RAINETEAU

Transfer of dryland training programs to strength and sprint swimming parameters

ARTHUR DIEUMEGARD

Sport and cancer in the digital age

GUÉNOLÉ FICHE

Weakly supervised learning for 3D pose estimation: Application to swimming

LISA MOYON

Obesity: Effects of digital management on self-esteem, body image, motivation, and continued physical activity