8TH INTERNATIONAL WORKSHOP AND CONFERENCE OF THE INTERNATIONAL SOCIETY OF PERFORMANCE ANALYSIS OF SPORT

11th-13th of September 2019 (Budapest, Hungary)

„Technology meets Practice and Science"

Preliminary Program
DRAFT (27.07.2019)

Finalized detailed program with all invited speakers, and attendees will be announced in the last week of August

11th of September (Wednesday)

18.00 – 20.00   Registration open

19.30   Welcome wine and snack party: networking
(keynotes &international attendants)

12th of September (Thursday)

Chair: M.D.Hughes

8.30   Registration

9.30   Opening Speeches
H. Dancs (University of ELTE, Hungary)
N. James (University of Middlesex, Chair of ISPAS, UK)
Z. Demetrovics (ELTE PPK, Dean)

9.45   Performance Analysis in the coaching process in elite
N. James (University of Middlesex, Chair of ISPAS, UK)

10.15   How to collect, to analyse and to provide feedback to athletes by using technology?
M. T. Hughes (Insight, UK)

10.45   How to choose performance indicators in different sports?
N. Parmar (University of Middlesex-UK)

11.05   Company Keynote presentation

11.25 **Delivery of performance analysis in elite, underage rugby union: how to optimise player development?**
D. McGrath (School of Public Health, Physiotherapy and Sports Science, University College Dublin, Ireland, Irish Rugby Football Union, Ireland)

11.35 **Predicting cycling power using linear regression.**
F. Ongenae (Ghent University, Belgium)

11.45 **In it to win it: Measuring stress responses in horse and riders during eventing competition**
H. Cameron-Whytock (Nottingham Trent University, UK)

12.05 **Company Keynote presentation**

12.25 - 13.15 **Coffee/Snack Break**

Chair: A. Fuller

13.15 – 15.00 **Performance Analysis in Elite Soccer - Workshop Sessions**
Invited speakers: A.Fuller (Hudl),P. Aleixander (F.C Valencia), M. Koltai (ELTE, Hungary), R. Long (FA, UK)

The analysis of endurance variables among young soccer players
A. Gusztafik (ELTE, Hungary)

The process performance analysts follow when using video feedback in professional Semi Elite English Soccer
C. Mulvenna (University of Chester, UK)

The influence of situational variables on attacking process in football
J. Kim (University of Middlesex, London, UK)

AS Monaco Football Team Offensive Process: A mixed method approach
H. Sarmento (University of Coimbra and Instituto Politécnico de Viana do Castelo, Escola Superior de Desporto e Lazer, Melgaço, Portugal)

Effects of strength training based on velocity versus traditional training on muscle mass, neuromuscular activation, and indicators of maximal power and strength in female soccer players
J.A. Fernandez Ortega (Laboratorio de Fisiología del Ejercicio,Facultad de Educación Física Universidad Pedagógica Nacional, Bogotá, Colombia)

Chair: N. Parmar

15.00 – 16.30 **Invasion team and net games: Performance Analysis in invasion-games and net games – Workshop Sessions**
Invited speakers: G. Csataljay (Sopron, Basketball, Hungary, T. Sterbenz- Vice-rector of University of PE, Hungary), C. White (British Tennis, UK)

Optimization techniques for basketball players under the convex risk measures
L. Ntasis (University of Peloponnese, Tripoli Greece)

The effectiveness of the Handball defense and goalkeeper against organized attack
D. Sousa (University of Madeira, Portugal)

Design and validation of an observational system in Beach Volleyball
D. Sousa (University of Madeira, Portugal)

Differential vs conventional resistance training effects in youth basketball players
J. Arede (Research Centre in Sports Sciences, Health Sciences and Human Development, CIDESD, Vila Real, Portugal)

How playing basketball with distinct body height and biological maturation affects physical performance and tactical behavior?
Jorge Arede (Research Centre in Sports Sciences, Health Sciences and Human Development, CIDESD, Vila Real, Portugal)

Contribution to methodology of efficiency evaluation of handball goalkeepers
Josip Cvenić (Faculty of Education, J.J. Strossmayer University of Osijek, Osijek, Croatia)

16.30- 17.00   Coffee Break (E-Posters without presentation)

Chair: N. Parmar

17.00   **Improving elite sports performance in a data driven world**
Michael T. Hughes (Insight, UK)

17.30   **Performance Profiling in Sport: Bridging the theory-practice gap**
N. James (Chair of ISPAS - University of Middlesex, UK)

18.00   **Sport Analytics as a tool for effective decision-making**
T. Sterbenz (Vice -rector of University of Physical Education, Hungary)

19.00   **Future of Performance Analysis in Sport" and „Role of the Performance Analyst in the coaching Team" – Chat Panel Discussion**
N. Parmar, C. White, M. D. Hughes (University of Middlesex, Law tennis Assotiation, UK)

20.00   **Dinner for invited speakers and sponsors**

13th of September (Friday)

Chair: N. Parmar

9.30   **Key Performance Indicator in Elite Tennis**
C. White (Law Tennis Association, UK)

10.00   **Re: Thinking Analysis**
R. Long (English FA, UK)

10.30   **ISPAS – Accreditation**
M. T. Hughes (Insight- ISPAS, UK)

11.00   **Opposition intelligence strategies to support the success of the England teams**
A. Fuller FA, UK (Hudl, UK)

11.30   **Cooperation of Performance Analysts and Data Analysts and Tech companies" – Chat Panel Discussion**
M. T. Hughes, A Fuller, N. James, I. Donelly (Insight, Hudl, ISPAS)

12.00   **Using IT (video) technology at match analyses**
P. Aleixandre (FC Valencia, Spain)

12.30   **Company Keynote Presentation**

12.50   **Clustering women's world sevens rugby by temporal attack-defence performance**
K. Sasaki (Res. Ctr. Health, Physical Fitness and Sport, Nagoya University, Nagoya, Japan)

13.00- 13.45   **Coffee/ Snack Lunch and E-Posters without presentations**

Chair: T. Sterbenz

13.45   **Company Keynote Presentation**

14.05   **'Atomic' Handball: Facts & Myths**
I. Gruic (Faculty of Kineziology, Zagreb, Croatia)

14.25   **Dinamo Football Academy - " Preparedness is the key to success and victory"-**
T. Despot (Dinamo Football Academy, Zagreb, Croatia)

14.50   **Performance analysis and Sport Diagnostics in Football: The case study Luka Modric**
V. Vučetić (Strenght coach of Luka Modric, Croatia)

15.10   **Performance analysis of the first team of Dinamo Zagreb**
M. Minđek (Performance Analyst Dinamo Zagreb, Croatia)

15.30   **Future of PA and Performance Diagnostic in Football**
G. Sporis (Faculty of Kineziology, Zagreb, Croatia)

16.00   **Coffee Break and E-Poster- 2 minutes presentations (Chair: N. james)**

Chair: G. Sporis

17.00   **Video based notational analysis of the game structure in collegiate men's lacrosse**
R. Hauer (University of Vienna, Austria)

17.10   **Cycling performance in comparison with cycling test in the laboratory and uphill cycling test.**
R. Samo (Faculty of sport, University of Ljubljana, Ljubljana, Slovenia)

17.20   **Parabolic running path of elite sprinters on curve of 400 metres track and independent angles of lanes : a referenced based cause-effect relationship.**
K. K. Debnat (Degree College of Physical Education- Autonomous College, Shri. H.V.P. Mandal, Amravati, Maharashtra, India.)

17.30   **Predictive Performance Analysis of Players Against Training Plan**
S. P. Deshpande (P. G. Department of Computer Science and Technology, Degree College of Physical Education, Autonomous College, Amravati, Maharashtra, India)

17.40	**Knowledge, Attitudes and Usage regarding doping drugs among national level athletes in Sri Lanka**
	U. Nadishani (Faculty of Medicine, University of Colombo, Colombo, Sri Lanka)

17.50	**Introduction: 2020 World Congress of Performance Analysis of Sport XIII. Vienna**
	R. Hauer (University of Vienna, Austria)

18.00	**Introduction of the new book: „Essential of Performance Analysis in Sport - 3rd edition**
	M.D. Hughes (UK)

18.15	**Routledge: Young Researchers Award**
	N. Parmar

	Conference closing
	H. Dancs

20.00	**Dinner for invited speakers and sponsors**

E-Posters

with 2 minutes and without presentations

Muscle Concern: Exploring the Effects of Bodybuilding on Self-Confidence (BODYBUILDING)
Rochel Ann Buenavista[1], Nyza Faustine Chan[1], Alyssandra Julienne Lumbad[1], Nikka Ella Mirador[1]
[1]Lorma Colleges, Urbiztondo, San Juan, La Union, Philippines

Descriptors and definitions for the rugby league tackle (RUGBY)
Hopkinson, M[1]., Bissas, A[1]., Nicholson, G[1]., Beggs, C[1]., Scantlebury, S[1]., Hendricks, S[1,2], Jones, B[1,2,3,4,5,6].
[1] Carnegie Applied Rugby Research (CARR) centre, Institute for Sport, Physical Activity and Leisure, Leeds Beckett University, UK
[2] Division of Exercise Science and Sports Medicine, Department of Human Biology, Faculty of Health Sciences, the University of Cape Town and the Sports Science Institute of South Africa, Cape Town, South Africa
[3] Yorkshire Carnegie Rugby Union club, Leeds, UK
[4] Leeds Rhinos Rugby League club, Leeds, UK
[5] England Performance Unit, The Rugby Football League, Leeds, UK
[6] School of Science and Technology, University of New England, Armidale, NSW, Australia.

The relationship between the maximum isometric strength and the speed of the ball in the power serve in Beach Volleyball (BEACVOLLEYBALL)
Pérez-Turpin, J.A.[1], Terol-Sanchis, M.[1], Gomis-Gomis, M.J.[1], Elvira, C[1].
[1]General Didactics Department, Faculty of Education, University of Alicante, San Vicente del Raspeig, Spain

Everesting challenge attempt strategy: a case study (CYCLING)
L. Cesanelli[1], G. Vici[1], D. Camilletti[1], R. Ceci[1], L. Belli[1], V. Polzonetti[1]
[1]School of Biosciences and Veterinary Medicine – University of Camerino

The Evaluation of the High Peak of Velocity in footballers. Survey of all category from an Amateur Youth Academy (FOOTBALL)
Bernardo Ricioppo[1], Ciro Hosseini Varde'i[1] and Riccardo Izzo[1]
[1]Department of Biomolecular Sciences, School of Sport Science, Exercise and Health, University of Urbino Carlo Bo, Urbino, Pesaro e Urbino 61029, Italy

Analysis of the Physical efficiency index of football Teams and correlation with goal events. An Survey of the Italian Serie A Championship (FOOTBALL)

Lorenzo Canapini[1], Ciro Hosseini Varde'i[1] and Riccardo Izzo[1]

[1]Department of Biomolecular Sciences, School of Sport Science, Exercise and Health, University of Urbino Carlo Bo, Urbino, Pesaro e Urbino 61029, Italy

Differences in technical-tactical indicators of karate kumite between the world championship in Tokyo 2008 and Madrid 2018 (KARATE)

Tihomir Vidranski, Petar Otkovic and Daria Zupan Tadijanov,
Department of Kinesiology, Faculty of Education, University of Josip Juraj Strossmayer, Osijek, Croatia

Differences in biological age of the best U11 and U13 teams in Croatia (FOOTBALL)

Ajman Hrvoje[1] and Tomac Zvonimir[2],
[1]Faculty of Education, University Josip Juraj Strossmayer, Osijek, Croatia.

Impact of 24 weeks of strength training coupled to endurance training on endurance performance (HERO Dolomites 2019) (CYCLING)

L. Cesanelli[1], G. Vici[1], D. Camilletti[1], R. Ceci[1], L. Belli[1], V. Polzonetti[1]
[1]School of Biosciences and Veterinary Medicine – University of Camerino

Electrical activity of the brain during fine motor activity – case study.

Damir Bavcevic[1], Tonci Bavcevic[1] and Bojan Masanovic[2]
[1]University of Split, Faculty of Kinesiology, Split, Croatia
[2]University of Montenegro, Faculty for Sport and Physical Education, Niksic, Montenegro

The analysis of 12-year old children's self-assessment of swimming ability. (SWIMMING)

Rastovski, D.[1], Lovrinčević, J.[1] and Ajman, H.[1]
[1]Faculty of Education, J.J. Strossmayer University of Osijek, Croatia

Biomechanics of the clean and jerkin weight lifting national Jordanian team (WEIGHTLIFTING)

Amer I. Al-Khleifat[1] Maher Al-Kilani[2] and Hashem A. Kilani[3]
School of Physical Education, University of Jordan, Amman, Jordan [1,3]
Hashemite University, Zarqa, Jordan[2]

Practical application of Big Data - Multidimensional analytical methods in sports (BIG DATA IN SPORT)

Mátyás Tamás Sonkoly, József Csicsman (foreign consultant)
Department of Computational Optimization, University of Szeged, Szeged, Hungary
Új Calculus Számítógép-alkalmazási Bt., Budapest, Hungary