# 8ᵗʰ MathSport International (online)

# Day 1 - June 24, 2021

*9:15 - 9:30     Opening Remarks     (James Reade)*

*9:30 - 11:30     Session 1 Parallel 1: Covid-19 I        (Chair: Roel Lambers)*

Christophe Ley, "The Probabilistic Final Standing Calculator: a fair stochastic tool to handle abruptly stopped football seasons"

Eiji Konaka, "Home advantage of European major football leagues under COVID-19"

Anthony Macedo, Marta Ferreira Dias and Paulo Mourão, "A bibliometric study about the European Super League of football – through the scientific paths of a utopia?"

Roel Lambers and Frits Spieksma, "True Rankings"

*9:30 - 11:30     Session 1 Parallel 2: Betting and Forecasting        (Chair: Ed Wheatcroft)*

Marius Ötting, Rouven Michels, Roland Langrock and Christian Deutscher, "Investigating drivers of stakes in a football live betting market"

David Winkelmann, Marius Oetting and Christian Deutscher, "Are European Football Betting Markets Inefficient? -- An Analysis using Monte Carlo Simulations"

Edward Wheatcroft and Ewelina Sienkiewicz, "Calibration and hyperparameter tuning in football forecasting with Machine Learning"

Jean-Louis Foulley, "More on verification of probability forecasts for football outcomes: score decomposition, reliability diagnosis and calibration analysis"

*12:00 - 13:30  Session 2 Parallel 1 Football  (Chair: Mobolaji Alabi)*

Kosuke Toda, Masakiyo Teranishi, Keisuke Kushiro and Keisuke Fujii, "Evaluation of soccer team defense based on ball recovery and being attacked"

Yuki Masui, Nobuyoshi Hirotsu, Yu Shimasaki and Masafumi Yoshimura, "Analysis of soccer player's activity profiles using time-series data"

Mobolaji Alabi, "The financial impact of Financial Fair Play regulation: Evidence from the English Premier League"

*12:00 - 13:30  Session 2 Parallel 2 Scheduling I       (Chair: Dries Goossens)*

David Van Bulck, Dries Goossens, Jeroen Beliën and Morteza Davari, "The International Timetabling Competition 2021 on Sports Timetabling -- Award ceremony"

Chris Potts and Neil Riley, "Tournament Design for the One Day International Cricket World Cup"

Julien Guyon, '"Choose Your Opponent": A New Knockout Design for Hybrid Tournaments'


*14:30 - 16:00            S-TRAINING Session    (Chair: Christophe Ley)*

Marius Ötting and Dimitris Karlis, "Analysing football tactics using high-frequency tracking data"

Leonardo Egidi, Ioannis Ntzoufras, Vasileios Palaskas and Sotiris Drikos, "Bayesian Skill Importance in Volleyball"


*16:30 - 17:30            Keynote*

Luigi Colombo (SmartOdds) – "Market Efficiency in Sports Betting"

# Day 2 - June 25, 2021

*9:30 - 11:00    Session 1 Parallel 1: Tennis    (Chair: Tomáš Kouřim)*

Stephanie Kovalchik and Jim Albert, "A Gaussian Mixed Membership Model with Latent Style Allocation for Describing Serve Return Patterns in Professional Tennis"

Kapil Gupta, Vijayshankar Krishnamurthy and Soudeep Deb, "Does the outcome of a tennis match hinge on the opening set? An in-depth analysis of the Wimbledon data"

Tomáš Kouřim and Petr Volf, "Predicting Tennis Outcomes Using Random Walks"

*9:30 - 11:00    Session 1 Parallel 2: Performance Analysis (Chair: Rory Bunker)*

Paul Bracewell, Sarah Bracewell, Jordan Wilson and Deepak Manchaiah, "A framework for monitoring all of club performance for amateur rugby union"

Taishi Oda and Nobuyoshi Hirotsu, "Classification of Japanese professional baseball players using a Gaussian mixture clustering model"

Rory Bunker, Keisuke Fujii, Hiroyuki Hanada and Ichiro Takeuchi, "Supervised sequential pattern mining for identifying important patterns of play in rugby"

*11:30 - 13:00  Session 2 Parallel 1: Covid-19 II        (Chair: James Reade)*

Alun Owen, Tharshan Balamuralee, Nisha Patel and Joseph Pym, "Undergraduate Students' Perspectives on the Impact of COVID-19 on Football (Soccer)"

Luca De Angelis and James Reade, "Home advantage and mispricing in indoor sports' ghost games: the case of European basketball"

James Reade, "Football Without Fans --- Further Investigations"

*11:30 - 13:00  Session 2 Parallel 2: Scheduling II     (Chair: Juan Moreno-Ternero)*

Laszlo Csato, "Analysing the restricted assignment problem of the group draw in sports tournaments"

Nicolás García Aramouni and Juan Jose Miranda Bront, "Sports scheduling and managerial aspects: insights for Argentina's National Basketball League"

Gustavo Bergantiños and Juan Moreno-Ternero, "Broadcasting La Liga"

*14:00 - 16:00  ROSES Session          (Chair: James Reade)*

Michael Smith, "Is there "home road" advantage in men's professional cycling?"

Moinak Bhaduri, "On detecting structural breaks in cricket run-scoring through sequential time-switched hypothesis tests"

Jon Vik, Min-Chun Shih, Rabnawaz Jansher, Niklas Carlsson and Patrick Lambrix, "Not all goals are equally important - a study for the NHL"


*16:00 - 16:15  Closing Remarks        (James Reade)*