

WEDNESDAY 5 JUNE 2013

09:00-09:30	REGISTRATION, <i>Room 00.10</i>	
09:30-09:40	OPENING REMARKS, <i>Room 02.28</i>	
09:40-10:30	KEYNOTE LECTURE, <i>Room 02.28 (chair tba)</i> Benefits from sport for individuals and communities Professor David Forrest, University of Salford (UK)	
10:35-11:35	PARALLEL SESSION W1A <i>Room 00.85 (chair tba)</i> The effect of fatigue from previous matches in Grand Slam Tennis Dries Goossens, Jurgen Kempeneers and Frits Spieksma Modelling and optimisation of the sport and exercise training process Phil Scarf and Mansour Sharahili A Stochastic Analysis of Table Tennis Christophe Ley, Yves Dominicy and Yvik Swan	PARALLEL SESSION W1B <i>Room 01.85 (chair tba)</i> Integer Programming and Sport Rankings Christian Raack, Annie Raymond, Thomas Schlechte and Axel Werner A Statistical Model for Prediction of National Football League (NFL) Fantasy Points Michael Schuckers and Cris Ippolite Scheduling the German Basketball League Stephan Westphal
11:35-12:00	COFFEE BREAK, <i>Room 00.10</i>	
12:00-13:00	PARALLEL SESSION W2A <i>Room 00.85 (chair tba)</i> Improved execution times by specialized data-structures and algorithms for scheduling problems Pieter Audenaert, Didier Colle, Mario Pickavet and Piet Demeester Dynamic opponent-dependent and position-dependent player ratings in the AFL Jonathan Sargent and Anthony Bedford Significance of trailing at the end of the first half in the WNBA U. Aytun Ozturk	PARALLEL SESSION W2B <i>Room 01.85 (chair tba)</i> Home Advantage George Foulds, Michael Wright and Roger Brooks Team performance in Italian Serie A Fiona Carmichael, Giambattista Rossi and Dennis Thomas A Basic Course on Mathematics in Sport Annette Pilkington
13:00-14:20	LUNCH, <i>Alma restaurant</i>	

14:20-15:20	<p>PARALLEL SESSION W3A <i>Room 00.85 (chair tba)</i></p> <p>Probability calculation for tournament format of the 2013 World Baseball Classic Nobuyoshi Hirotsu</p> <p>Advanced Putting Metrics in Golf Tim Swartz</p> <p>Relative importance of the offensive and defensive efficiencies in FIVB Men's Volleyball World League Elsuida Kondo, Raymond T. Stefani and Anthony Bedford</p> <p>Metaheuristic Optimisation of Parameterised Betting Exchange Strategies Polyvios Tsirimpas and William Knottenbelt</p>	<p>PARALLEL SESSION W3B <i>Room 01.85 (chair tba)</i></p> <p>Multivariate Analysis of Heptathlon Data Aimee Murphy and Penelope Bidgood</p> <p>The intensity of sports: an economic analysis Andy Vekeman and Michel Meulders</p> <p>Transfer values and performance in international football Thomas Peeters</p> <p>Match significance: measurement and relevance Ruud Koning</p>
15:20-15:50	COFFEE BREAK, <i>Room 00.10</i>	
15:50-17:10	<p>PARALLEL SESSION W4A <i>Room 00.85 (chair tba)</i></p> <p>Betting Markets and Strategies Tom Flowerdew, Kevin Glazebrook and Chris Kirkbride</p> <p>2012 UEFA Euro Efficiency Evaluation based on Market's Expectations Luana Brandão, Fernando Andrade and João Carlos Soares de Mello</p> <p>The Application of Statistical Modelling to Elite Players' Perceptions of Football Playing Surfaces Alun Owen, Jonathan Roberts, Andy Harland, Paul Osei-Owusu and Aimee Smith</p>	<p>PARALLEL SESSION W4B <i>Room 01.85 (chair tba)</i></p> <p>Scheduling a Sports League with Divisional and Round-robin Play Jeffrey Larson and Mikael Johansson</p> <p>Scheduling Major League Baseball's Umpires Michael Trick</p> <p>The least squares method and Swiss system tournament rankings Laszlo Csato</p>
17:30-19:30	Guided walk in Leuven, <i>City Hall</i>	
21:00-23:00	Bar Quiz, <i>Domus Brewery</i>	

THURSDAY 6 JUNE 2013

09:00-10:20	<p>PARALLEL SESSION T1A <i>Room 00.85 (chair tba)</i></p> <p>Quantitative Models for Retirement Risk in Professional Tennis Adam Cutmore and William Knottenbelt</p> <p>Time as a measurement unit in tennis Marcelo Albamonte, Flavia Bonomo and Franco Davin</p> <p>A closer look at the independence between points of the top four male players Geoff Pollard</p> <p>Developing an improved tennis ranking system David Irons, Stephen Buckley and Tim Paulden</p>	<p>PARALLEL SESSION T1B <i>Room 01.85 (chair tba)</i></p> <p>Is there gender discrimination on behalf of Dutch TV viewers? An analysis of the London 2012 Olympic Games TV ratings Daam Van Reeth</p> <p>Evaluating Regional Balance in the NCAA Men's Basketball Tournament using the Tournament Selection Ratio John Trono</p> <p>Assessing efficiency and setting benchmarks for NBA teams through DEA and DMU clustering Laura Alves, Hugo Kramer, Pamela Tschaffon and João Carlos Soares de Mello</p> <p>Data Envelopment Analysis to Support the Tactic Formulation of Brazilian Football Teams Carlos André Faccini Dos Santos, Lidia Angulo Meza and João Carlos Soares de Mello</p>
10:20-10:45	COFFEE BREAK, <i>Room 00.10</i>	
10:45-11:45	<p>PARALLEL SESSION T2A <i>Room 00.85 (chair tba)</i></p> <p>Performance Inequality at the Olympic Games Elmer Sterken</p> <p>Measuring competitive balance: the case of European premiership rugby union Phil Scarf and Peter Williams</p> <p>Between-seasons Competitive Balance in European Football: Review of Existing and Development of Specially Designed Indices Vasileios Manasis and Ioannis Ntzoufras</p>	<p>PARALLEL SESSION T2B <i>Room 01.85 (chair tba)</i></p> <p>Stochastic analysis of some two-person sports Davy Paindaveine and Yvik Swan</p> <p>A comparison of the Masters Scoring System and the Knock-Out Scoring System Graham Pollard and Geoff Pollard</p> <p>Sensitivity of court-side in tennis Michelle Viney, Anthony Bedford and Elsuida Kondo</p>
11:50-12:40	<p>KEYNOTE LECTURE, <i>Room 02.28 (chair tba)</i></p> <p>Towards the construction of elimination tournaments through Bayesian optimal design Professor Mark Glickman, Boston University School of Public Health (USA)</p>	
12:40-14:00	LUNCH, <i>Alma restaurant</i>	

14:00-15:20	<p>PARALLEL SESSION T3A <i>Room 00.85 (chair tba)</i></p> <p>Estimation of anthropometrical and inertial body parameters Jérôme Bastien, Yoann Blache and Karine Monteil</p> <p>Proposal for an Evaluation Model of Olympic Legacies: an adaptation of Balanced Scorecard Juliana Leal, Nissia Bergiante and João Carlos de Mello</p> <p>A DEA Evaluation and Financial Resources Reallocation for Brazilian Olympic Sports regarding their results in the 2011 Pan-American Games Renato Pescarini Valério and Lidia Angulo Meza</p> <p>Assignment of swimmers to events in a multi-team meeting for team global performance optimization Simona Mancini</p>	<p>PARALLEL SESSION T3B <i>Room 01.85 (chair tba)</i></p> <p>A Model Based Ranking System for Soccer Teams (Chang Wang)</p> <p>Time-varying rankings in sport Ian Mchale and Rose Baker</p> <p>It is Harder, not Easier, to Predict the Winner of the Champions League Jeroen Schokkaert and Johan Swinnen</p> <p>Inferring the score of a tennis match from in-play betting exchange markets Xinzhuo Huang, William Knottenbelt, Demetris Spanias and James Wozniak</p>
15:20-15:50	COFFEE BREAK, <i>Room 00.10</i>	
15:50-17:10	<p>PARALLEL SESSION T4A <i>Room 00.85 (chair tba)</i></p> <p>Market making with a reverse Kelly strategy Edmund Noon and William Knottenbelt</p> <p>Modelling goal arrival times in Association Football Dimitris Karlis and Ioannis Ntzoufras</p> <p>A mixed effects model for identifying the goal scoring ability of footballers Ian McHale and Lukasz Szczepanski</p> <p>Rating test cricket players Sohail Akhtar and Philip Scarf</p>	<p>PARALLEL SESSION T4B <i>Room 01.85 (chair tba)</i></p> <p>Scheduling the South American qualifiers for the Football World Cup Guillermo Durán and Mario Guajardo</p> <p>An Olympic ranking based on sequential use of ordinal multicriteria methods Silvio Gomes Júnior, João Carlos Soares de Mello and Lidia Angulo Meza</p> <p>Crux 25 - Circle Packing Joris Kinable and Tony Wauters</p> <p>The Merits of Ranking in the Game of Hurling Niall Fitzgerald</p>
19:00-22:00	Conference dinner, <i>Faculty Club</i>	

FRIDAY 7 JUNE 2013

09:00-10:20	<p>PARALLEL SESSION F1A <i>Room 00.85 (chair tba)</i></p> <p>Detecting Corruption in Football James Reade</p> <p>A Virtual Coach for Fantasy Soccer using Mathematical Programming Flavia Bonomo, Guillermo Duran and Javier Marengo</p> <p>Using Probabilistic Models to Simulate Tennis Matches, with Applications to Betting Strategies Viktoras Mogilenko and Gordon Hunter</p> <p>Markov Chain Volleyball Marco Ferrante and Giovanni Fonseca</p>	<p>PARALLEL SESSION F1B <i>Room 01.85 (chair tba)</i></p> <p>Model of joint displacement using sigmoid function. Experimental approach for planar pointing task and squat jump Thomas Creveaux, Jérôme Bastien, Clément Villars and Pierre Legreneur</p> <p>The Macbeth Method for Ranking Olympic Sports: a Complementary Analysis for the DEA Efficiency João Carlos Soares de Mello, Juliana Benicio, Livia Bragança and Vinícius Guimarães</p> <p>Intelligent computational optimisation of sport skills Jonathan Wright and Ivan Jordanov</p> <p>Contingent valuation of a classic cycling race Andy Vekeman, Michel Meulders, Alain Praet, Jan Colpaert and Tom Van Puyenbroeck</p>
10:20-10:45	COFFEE BREAK, <i>Room 00.10</i>	
10:45-11:45	<p>PARALLEL SESSION F2A <i>Room 00.85 (chair tba)</i></p> <p>Fair Referee Assignment for the Italian Soccer SERIE A Simona Mancini and Andrea Isabella</p> <p>Optimization modeling for analyzing fantasy sport games Jeroen Beliën, Dries Goossens and Daam Van Reeth</p> <p>Are Soccer Schedules Robust? Fabrice Talla Nobibon and Dries Goossens</p>	<p>PARALLEL SESSION F2B <i>Room 01.85 (chair tba)</i></p> <p>ODI cricket batting: characterizing batsmen performance using 'tipping points' Uday Damodaran</p> <p>Using principle component analysis to investigate the effect of golfer kinematics on measures of performance Aimee Smith, Jon Roberts and Steph Forrester</p> <p>Changes in performance in sport George Foulds, Roger Brooks and Michael Wright</p>
11:50-12:40	<p>KEYNOTE LECTURE, <i>Room 02.28 (chair tba)</i></p> <p>Graph coloring and sports scheduling Professor Dominique de Werra, École Polytechnique Fédérale de Lausanne (Switzerland)</p>	
12:40-14:00	LUNCH, <i>Alma restaurant</i>	

14:00-15:00	<p>PARALLEL SESSION F3A <i>Room 00.85 (chair tba)</i></p> <p>Using robust bilinear models to estimate orienteer's performance Sofia Villers, Karen Vines and Kevin McConway</p> <p>The PEAST Algorithm in Sports Scheduling - Evolution of the Major Finnish Hockey League Schedules Nico Kyngäs, Dries Goossens, Kimmo Nurmi and Jari Kyngäs</p> <p>Going downhill fast: the importance of descending skills in mountain running Anthony Kay</p>	<p>PARALLEL SESSION F3B <i>Room 01.85 (chair tba)</i></p> <p>The London Olympics in Perspective: Athletics, Swimming and Home Nation Medal Advantage Ray Stefani</p> <p>Career lengths and age of retirement of ATP singles players during the Open Era Stephanie Kovalchik</p> <p>Tennis Player Ranking using Quantitative Models Demetris Spanias and William Knottenbelt</p>
15:00-15:15	CLOSING REMARKS, <i>Room 02.28</i>	