

WEDNESDAY 22 JUNE 2011			
1330-1400	REGISTRATION, <i>Lyric Circle Bar</i>		
1400-1410	OPENING REMARKS, <i>Room 1</i>		
1410-1450	KEYNOTE LECTURE, <i>Room 1 (chair Phil Scarf)</i> Broadcasting sports, pay-tv or free-tv? <i>Professor Stefan Késenne, University of Antwerp</i>		
1450-1520	REFRESHMENTS, <i>Lyric Circle Bar</i>		
1520-1720	PERFORMANCE & RANKING 1 <i>Room 1 (chair Lake Trask)</i>	ECONOMICS & FINANCE 1 <i>Room 2 (chair Ruud Koning)</i>	
1520	A ranking for the Vancouver 2010 winter Olympic games based on the Copeland method <i>N.C.R. Bergiante & J.C.C.B. Soares de Mello</i>	The managerial merry-go-round in English club football <i>P. Dawson & S. Dobson</i>	
1540	Sports ranking and Twitter <i>T. Chartier, A. Langville & L. Trask</i>	Medium-term mortality of Dutch professional soccer players <i>R.H. Koning & R. Amelink</i>	
1600	On team ranking in volleyball competitions using Google's page rank method <i>O.V. Iftime & C. Stirbu</i>	Medals and gross national income in the last four Olympic games (1996-2008) <i>D. Palaiothodorou & G. Vagenas</i>	
1620	A new measure of competitive balance <i>E. Noon</i>	Allocating economic resources for Olympic sports in Brazil using a DEA-ZSG model <i>T. Pereira dos Santos, L. Angulo-Meza & J.C.C.B. Soares de Mello</i>	
1640	Influence and prestige: rating Australian football league player performance through network analysis <i>J. Sargent & A. Bedford</i>	Sustainability of Tote betting markets in the presence of sophisticated play <i>D. Edelman</i>	
1700		Instability of small scale professional sports leagues <i>W. Höchtl & A. Konovalov</i>	
1930-2100	BAR QUIZ, <i>Copthorne Hotel (Salford Quays)</i>		

THURSDAY 23 JUNE 2011		
0900-1020	RULES & ADJUDICATION 1 <i>Room 1 (chair Gordon Hunter)</i>	MODELLING & PREDICTION 1 <i>Room 2 (chair Yudai Honma)</i>
0900	The unpredictable behaviour of the Jabulani ball – the new FIFA world cup football <i>E. Chadwick, T. Rahulan & Y. Wang</i>	Application of game theory in sport <i>S. Banihashemi</i>
0920	A stochastic analysis of some two-person sports <i>D. Paindaveine & Y. Swan</i>	Bivariate Skellam distributions with applications to soccer modelling and betting <i>D. Karlis & I. Ntzoufras</i>
0940	Generic handicapping for Paralympic sports <i>D.F. Percy</i>	The assumption of independence between the home and away goals in the simple Poisson goals model of football match outcomes <i>A. Owen</i>
1000	The interactive evolution of football codes: a tale of the rouge, Webb Ellis and the rubber bladder <i>R. Stefani & R. Pollard</i>	Forecasting national football league games: a birth process model of exact scores <i>I. McHale</i>
1020-1050	REFRESHMENTS, <i>Lyric Circle Bar</i>	
1050-1210	STRATEGY & OPTIMISATION 1 <i>Room 1 (chair Xin Shi)</i>	PERFORMANCE & RANKING 2 <i>Room 2 (chair Ray Stefani)</i>
1050	The importance of the high risk serve in badminton <i>B. O'Bree, A. Bedford & A. Schembri</i>	Weak rationality in football results: an analysis of the Guanabara cup using the Bowman and Colantoni method <i>A.M. Alves, J.C.C.B. Soares de Mello, T.G. Ramos & A.P. Sant'Anna</i>
1110	Optimum cadence <i>P. Scarf & R. Reed</i>	An analysis of footballers' passing behaviour based on random utility theory <i>Y. Honma</i>
1130	Optimal scoring rates in Twenty20 cricket <i>P.S. Chami, B. Sing & D. Thomas</i>	Quantification of competitive balance in European football: development of specially designed indices <i>V. Manasis, V. Avgerinou, I. Ntzoufras & J.J. Reade</i>
1150	A latent class model for batting strategy in test cricket <i>X. Shi, P. Scarf & B. Fu</i>	An open model for rating the performance of English premier league football players <i>J. Oberstone</i>
1210-1250	KEYNOTE LECTURE, Room 1 (chair Dave Percy) An investigation into three problems associated with limited overs cricket <i>Professor Tim Swartz, Simon Fraser University</i>	
1250-1350	LUNCH, <i>Lyric Circle Bar</i>	

THURSDAY 23 JUNE 2011		
1350-1510	TOURNAMENTS & SCHEDULING 1 <i>Room 1 (chair Anthony Bedford)</i>	MODELLING & PREDICTION 2 <i>Room 2 (chair Stephen Dobson)</i>
1350	Scheduling an amateur indoor football league <i>D.R. Goossens & F.C.R. Spieksma</i>	Mathematical models that predict 2012 London Olympic games swimming and athletic performances <i>I. Heazlewood & J. Walsh</i>
1410	On the travel impact in men's tennis <i>A. Bedford, E. Rusiti, M. Ladds & A. Schembri</i>	Distance running performance and the 2-hour marathon: when, how and who? <i>M. McCabe, J. Corbett & S. Glanville</i>
1430	Measurement of competitive balance in conference and divisional tournament design <i>L.J.A. Lenten</i>	Limits to the running performances and physiological attributes of world class athletes <i>R.H. Morton</i>
1450	Minimum cost home-away assignment of double round-robin tournament <i>T. Masuko & T. Matsui</i>	Mathematical models that predict athletic performance in sprint and jump events for current and future world championships <i>I. Heazlewood & J. Walsh</i>
1510-1540	REFRESHMENTS, <i>Lyric Circle Bar</i>	
1540-1700	STRATEGY & OPTIMISATION 2 <i>Room 1 (chair Joel Oberstone)</i>	ECONOMICS & FINANCE 2 <i>Room 2 (chair Liam Lenten)</i>
1540	Cooperative and non-cooperative playing styles in football: a game-theoretic model <i>S. Dobson & J. Goddard</i>	The 2012 Olympic announcement and participation in sport: a UK perspective <i>P.M. Dawson</i>
1600	Critical moments and the opportunity to score goals in world cup football <i>J. Hammond</i>	Auctions of players in IPL 14: an analysis of design, valuations and bids <i>S. Das, I. Ray, J.J. Reade & P. Postl</i>
1620	A one-dimensional random walk model for driving in touch football <i>J. Walsh & I. Heazlewood</i>	Ten top tips for sports betting <i>R. Hill</i>
1640	Bayesian network modelling of the determinants of physical activity levels <i>D. Hoyle & N. Harding</i>	Informational efficiency of an in-play betting market for English football match results <i>S. Dobson & J. Goddard</i>
1815-1900 1900-2100	OPTIONAL M.U.F.C. STADIUM TOUR, £7 per person CONFERENCE DINNER, <i>Manchester United Football Club Stadium</i> After dinner speaker <i>Dr. John Haigh, University of Sussex</i>	

FRIDAY 24 JUNE 2011		
0900-1020	RULES & ADJUDICATION 2 <i>Room 1 (chair Ian McHale)</i>	MODELLING & PREDICTION 3 <i>Room 2 (chair Hugh Morton)</i>
0900	A comparative study of biomechanics and its relation with performance level for gymnastic movements in teenagers <i>A.R. Abdulghani & S.A. Rashid</i>	Predicting results of a match-play golf tournament with Markov chains <i>K.R. Gue, J. Smith & Ö. Özmen</i>
0920	Using rain rules to forecast matches in limited overs cricket <i>M. Asif & I.G. McHale</i>	Predicting the outcome of the Ryder cup <i>M. Maher</i>
0940	Appropriate within-subjects mathematical models for the analysis of baroreflex sensitivity in human physiology <i>G. Atkinson, A.M. Batterham, H. Jones, C.E. Taylor, C.K. Willie & Y.C. Tzeng</i>	Using available player statistics to predict the outcome of singles and doubles tennis matches. <i>D. Spanias & W.J. Knottenbelt</i>
1000	Mathematical assessment of the flight characteristics of FIFA approved footballs <i>D. Rogers, M. Passmore, S. Tuplin, A. Harland, T. Lucas & C. Holmes</i>	Forecasting test cricket match outcomes in play <i>S. Akhtar & P. Scarf</i>
1020-1050	REFRESHMENTS, <i>Lyric Circle Bar</i>	
1050-1210	STRATEGY & OPTIMISATION 3 <i>Room 1 (chair Dimitris Karlis)</i>	PERFORMANCE & RANKING 3 <i>Room 2 (chair Ray Hill)</i>
1050	Comparing results of biomechanical analyses of raw data determined using AutoCAD and Matlab for a number of athletic performances <i>A.R. Abdulghani</i>	A relationship between data envelopment analysis and sabermetrics in an evaluation of baseball players <i>N. Hirotsu</i>
1110	Assessing athletic training progression with exposure variation analysis <i>L. Passfield, K.C. Dietz, J.G. Hopker & S.A. Jobson</i>	Rating players in test match cricket <i>P. Scarf, S. Akhtar & Z. Rasool</i>
1130	Participation in the AIS probiotics study 2010 <i>B. Buckley, D.B. Pyne, C. Barnes, N.P. West, A. Neumaier, P. Horn, S. Lahtinen & A.W. Cripps</i>	A statistical analysis of English county cricket batting performances <i>P. Thethi & G. Hunter</i>
1150	Parameter selection in sport modelling: touch football <i>J. Walsh & I. Heazlewood</i>	Rating and ranking teams through spanning trees <i>J.A. Trono</i>
1210-1250	KEYNOTE LECTURE, Room 1 (chair James Reade) The use of mathematics in F1 racing <i>Dr. Israel Vieira, Cardiff University</i>	
1250-1350	LUNCH, <i>Lyric Circle Bar</i>	

FRIDAY 24 JUNE 2011		
1350-1450	STRATEGY & OPTIMISATION 4 <i>Room 1 (chair Bob Buckley)</i>	TOURNAMENTS & SCHEDULING 2 <i>Room 2 (chair João Soares de Mello)</i>
1350	A sequential logistic regression approach for analysing strategy in the sprint race in track cycling <i>J. Moffatt, P. Scarf, L. Passfield, I. McHale & K. Zhang</i>	Competitive choice dimensions of golf destinations: a perceptual mapping approach <i>C.M.F. Monteiro & J.P.C.S. Jorge</i>
1410	Pace and critical gradient for hill runners <i>A. Kay</i>	Designing fair 8-team and 16-team tournament brackets <i>M. Prince, C. Smith & J. Geunes</i>
1430	Incentive versus expectation in NBA basketball <i>A.J. Schembri, A. Bedford, J.H. Park & B. O'Bree</i>	Scheduling the Brazilian soccer league regarding two strength groups <i>M.C. Roboredo, L. Aizemberg, J.C.C.B. Soares de Mello & A.A. Pessoa</i>
1450-1520	REFRESHMENTS, <i>Lyric Circle Bar</i>	
1520-1620	PERFORMANCE & RANKING 4 <i>Room 1 (chair John Trono)</i>	ECONOMICS & FINANCE 3 <i>Room 2 (chair Nobuyoshi Hirotsu)</i>
1520	Data envelopment analysis of formula one constructors' championship <i>E. Gutiérrez & S. Lozano</i>	Kelly's fractional staking in the twenty-first century <i>E. Noon, W.J. Knottenbelt & D. Kuhn</i>
1540	The influence of the Olympic games on athletic performance <i>L. Foster, D. James & S. Haake</i>	Exchange versus dealers: a high-frequency analysis of in-play betting prices <i>J.J. Reade</i>
1600	Measuring the NBA teams' cross-efficiency by DEA <i>L. Aizemberg, M.C. Roboredo, T.G. Ramos, A.M. Alves, L. Meza & J.C.C.B. Soares de Mello</i>	An environment for the specification and evaluation of betting strategies <i>P. Tsirimpas & W.J. Knottenbelt</i>
1620-1630	CLOSING REMARKS, <i>Room 1</i>	
1800-2100	CONFERENCE CRICKET MATCH, <i>Tatton Park (Cheshire)</i> Economists C.C. v. Delegates XI	