Monday 26 June 2023		
8:30-12:00	*Registration (Aula, ground floor)*	
8:50-9:00	Welcome and opening remarks: Tamara Keszey and Dries Gossens	
9:00-10:00	**Keynote talk 1 - Lecture room E.III (ground floor)** **Ian McHale: A flexible mixed model for the relationship between age and performance: Application to football, golf and snooker**	
10:00-10:30	*Coffee break (E.336, third floor)*	
Venue	E.338 (third floor)	E.340 (third floor)
10:30-12:00	**Session 1a: Scheduling**	**Session 1b: Prediction**
10:30-11:00	Emiliano Lancini, Michele Barbato, Diego Delle Donne: MIP formulations to create schedules for the new format of the UEFA Champions League	Marius Ötting: Predicting play-calls in the NFL using Markov-switching decision trees
11:00-11:30	Dries Goossens, Frits Spieksma: Scheduling women's football in Belgium	David Winkelmann, Marius Ötting, Christian Deutscher: Efficiency of betting markets in European football: Evidence from simulations and real data
11:30-12:00	Frits Spieksma, Jasper van Doornmalen, Christopher Hojny, Roel Lambers: Round robin tournaments and integer programming formulations	Fabian Wunderlich, Marc Garnica Caparrós, Daniel Memmert: Profitable sports forecasting – Issues in evaluating predictive power and implications for model selection
12:00-13:30	*Lunch (Aula, ground floor)*	
13:30-15:00	**Session 2a: Draw**	**Session 2b: Visual analysis**
13:30-14:00	Gareth Roberts, Jeff Rosenthal (online): Football group draw probabilities and corrections	Tatsuya Yoshikawa, Kazuya Takeda, Keisuke Fujii: Prediction of shot type and hit location based on pose information using badminton match videos
14:00-14:30	László Csató: Improving the fairness of constrained assignments: The role of draw order in the UEFA Champions League	Ning Ding, Yingjiu Bei, Keisuke Fujii, Kazuya Takeda: Visual analysis of control area in badminton doubles using drone video dataset
14:30-15:00	Leszek Szczecinski: What do we not understand in (sport) rankings?	Adam Shavit: Spatial statistics of images from players point of view in sport environments
15:00-15:30	*Coffee break (E.336, third floor)*	
15:30-17:00	**Session 3a: Football**	**Session 3b: Athletics, cricket, cycling**
15:30-16:00	László Marcell Kiss: The fairness of berth allocation of the 48-team FIFA World Cup	Ethan Baron, Bram Janssens, Matthias Bogaert: A vector embeddings representation of road cycling riders and races
16:00-16:30	Mario Guajardo, Alex Krumer: Tournament designs and schedules for a FIFA World Cup with 12 groups of 4 teams	Gordon Hunter, Yash Jadwani, James Denholm-Price: A machine learning based approach to analyse player performance in T20 Cricket Internationals
16:30-17:00	Julien Guyon: 2026 FIFA World Cup: What is the best format?	Bhaskar Basu, Jimut Bahan Chakrabarty: A novel method for player selection in T20 cricket
17:00-17:30	Rouven Michels, Marius Ötting, Dimitris Karlis: Modelling women's football scores	Anders Lunander, Niklas Karlsson: A stochastic analysis of the 4 x 100 m relay
19:00-22:00	*Conference dinner: Vakvarjú Restaurant (Paulay Ede street 7.)*	

Tuesday 27 June 2023		
8:30-12:00	*Registration (Aula, ground floor)*	
9:00-10:00	**Keynote talk 2 - Lecture room E.III (ground floor)** **László Toka: Optimizing soccer on-ball decisions: How to turn soccer players into agents?**	
10:00-10:30	*Coffee break (E.336, third floor)*	
Venue	E.338 (third floor)	E.340 (third floor)
10:30-12:00	**Session 4a: Optimisation**	**Session 4b: Performance analysis**
10:30-11:00	<u>David Van Bulck</u>, Dries Goossens, Jan-Patrick Clarner, Angelos Dimitsas, George H. G. Fonseca, Carlos Lamas-Fernandez, Antony E. Phillips, Roberto Maria Rosati: What algorithm to select to create your sports schedule?	<u>Beom-Jin Kim</u>, Taeho Kim: The evaluation of the performance of golfers on LPGA tour based on LGCM approach
11:00-11:30	<u>Benedek Soós</u>, Anna Ibolya Pózna: Application of genetic algorithm to solve a special team orienteering problem	<u>Laurentiu C. Hinoveanu</u>, Jim Griffin, James Hopker: Performance monitoring in anti-doping with Bayesian longitudinal models
11:30-12:00	<u>Nizar Zaarour</u>, Basma Bargal, Emanuel Melachrinoudis: A dynamic, scalable algorithm to optimize the allocation of athletics scholarships	<u>Alex Krumer</u>, Christoph Bühren, Martin Gschwend: Feedback, gender, and choking under pressure: Evidence from alpine skiing
12:00-13:30	*Lunch (Aula, ground floor)*	
13:30-15:00	**Session 5a: Tournament design**	**Session 5b: Sports economics**
13:30-14:00	<u>Dóra Gréta Petróczy</u>, Attila Tasnádi, László Csató: The probability of violating the Condorcet principle by Formula One points scoring systems	<u>Yizhaq Minchuk</u>: Sports wars-contest theory approach
14:00-14:30	<u>Karel Devriesere</u>, Dries Goossens: The impact of tournament design on match-fixing	<u>Gergely Csurilla</u>, Imre Fertő: Does hosting the Olympics mean more medals? Synthetic control analysis
14:30-15:00	<u>Zsombor Szádoczki</u>, Sándor Bozóki: The design of costly rounds of paired comparisons: the GRAPH of regular graphs	<u>Michael Lapré</u>, Elizabeth Palazzolo: Does draft currency promote competitive balance? An empirical investigation of the National Football League 2002-2021
15:00-15:30	*Coffee break (E.336, third floor)*	
15:30-17:00	**Session 6a: Baseball and curling**	**Session 6b: Basketball**
15:30-16:00	Hisanobu Kaji, <u>Dana Sylvan</u>: Applications of point pattern analysis in baseball	<u>Christos Katris</u>: Market characterization of betting in basketball: Evidence from European competitions
16:00-16:30	<u>Marina Polyashuk</u>: Pitcher selection scenarios in baseball: A multi-criteria approach	<u>Juan de Dios Tena Horrillo</u>, Babatunde Buraimo, Jing Guan: Does a superleague tournament kill domestic leagues? Evidence from the basketball's Euroleague
16:30-17:00	<u>Alex Semenov</u>, Gleb Vasiliev (online): Analysis of changes in curling after the introduction of five stone Free Guard Zone rule and No Tick Shot rule	<u>Dimitris Karlis</u>: Improvements in basketball modelling: some new models
17:30-19:00	*Social Program: Walk to the Gellért Hill*	
19:00-22:00	*Beer & Pizza: Black Dog Terasz & Pizzéria*	

	Wednesday 28 June 2023	
9:00-10:00	**Keynote talk 3 - Lecture room E.III (ground floor)** **Ignacio Palacios-Huerta: The beautiful dataset**	
10:00-10:30	*Coffee break (E.336, third floor)*	
Venue	E.338 (third floor)	E.340 (third floor)
10:30-12:00	**Session 7a: Referees and training**	**Session 7b: Game analysis**
10:30-11:00	<u>Gábor Békés</u>, Endre Borza, Márton Fleck: Favoritism under multiple sources of social pressure	<u>Rikuhei Umemoto</u>, Keisuke Fujii, Kazushi Tsutsui: Defensive team analysis in the 2022 World Cup based on the event prediction
11:00-11:30	<u>Tankut Atan</u>, Burak Çavdaroglu, Zühal Özcan Yavuz: Referee assignments in non-professional football leagues	<u>Nobuyoshi Hirotsu</u>, Yuki Masui, Yu Shimasaki, Masafumi Yoshimura: Classification of movements of soccer players using time-series data measured by inertial measurement units
11:30-12:00	<u>Arnold Baca</u>, Philipp Kornfeind: Subject-specific workload management in rowing	<u>Tim Schwartz</u>, Nirodha Epasinghege Dona, Lucas Wu, Joan Hu, Aaron Danielson: Causal problems involving football strategy
12:00-13:30	*Lunch (Aula, ground floor)*	
13:30-15:00	**Session 8a: Ranking**	**Session 8b: Modelling**
13:30-14:00	<u>András Horváth</u>: Ranking handball teams using decision-making methods	<u>Eiji Konaka</u>, Fumiya Shimizu: Scoring probability model based on service landing location and ranking points in men's professional tennis matches
14:00-14:30	<u>Vilmos Siteri</u>: Different rankings of European men's national football teams	<u>Csaba Medgyes</u>, Roland Molontay: Analyzing the profitability on the football transfer market using network science and machine learning
14:30-15:00	<u>László Gyarmati</u>, László Edvy, Csaba Mihálykó, Éva Orbán-Mihálykó: Decision support for sports choices based on performance measurement using the generalized Thurstone method: the model and a case study	<u>Barbaros Yet</u>, Kerem Demirtas, Mert Türedioglu: Learning and planning to solve boulder climbing problems