DIS 2023

6th International Conference on the DYNAMICS OF INFORMATION SYSTEMS

September 3–6, 2023, Prague, Czech Republic

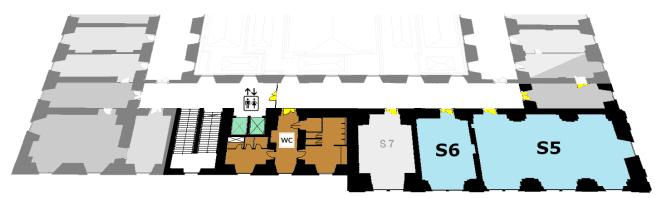
Funicu

Restaurant Nebozízek

General information

Rooms (2nd floor of the university):

- Registration: the corridor close to room S5
- Talks: rooms S5 and S6



Talks:

- Regular talks (rooms S5, S6): 25 min. including questions; chairman is the last speaker in the session
- Invited talks (room S5): 60 min. including questions

Lunches:

- Restaurant Profesní dům
- situated in the cellar of the university building

Conference dinner:

- Restaurant Nebozízek
- Address: Petřínské sady 411 (https://goo.gl/maps/XnAcmUse8fBkqMt9A)
- 25 minute walk from the university, the first stop of the Petřín funicular

Social program:

• 2 km guided tour (Strahov Monastery, Loreto, Prague Castle)

Conference program

Sunday September 3		Monday September 4			Tuesday September 5		Wednesday September 6			
		8:45-9:00	Opening s	ession [S5]						
		9:00-10:00	Invited talk [S5] Diffusion capacity of single and interconnected networks (Panos Pardalos)		9:00-10:00	Invited talk [S5] Quantifying model uncertainty for semantic segmentation using RKHS operators (Jose C. Principe)		9:00-10:00	Invited talk [S5] Towards a dynamic value of information theory (Roman Belavkin)	
		10:00-10:30	Coffee	break	10:00-10:30	Coffee break		10:00-10:30	Coffee break	
		10:30-12:10	Contributed talks [S5]	Contributed talks [S6]	10:30-12:10	Contributed talks [S5]	Contributed talks [S6]	10:30-12:10	Contributed talks [S5]	Contributed talks [S6]
					12:10-12:30	Conferen	ice photo			
			Lu	nch	12:30-14:00	Lunch		12:30-14:00	Lu	nch
		14:00-15:00	Search in informati	talk [S5] <i>imperfect</i> <i>on games</i> Schmid)	14:00-15:00	Industrial session [S5] Why and how to optimize in energy (Urban Kravjanský, ČEZ Group)		14:00-15:30	Tutorial [S5] RealOpt-Contingency – A computational platform for all hazard and disaster response (Eva K. Lee)	
		15:10-16:00	Contributed talks [S5]	Contributed talks [S6]				15:30-15:45	Closing se	ssion [S5]
		16:00-16:30	Coffee	break						
		16:30-17:45	Contributed talks [S5]	Contributed talks [S6]	16:00-18:00	Social program	m (Excursion)			
17:00-19:30	Registration & Informal meeting									
		19:00-22:00	Conferen	ce dinner						

Conference program: Monday (September 4, 2023)

8:45-9:00	Opening session [room S5]					
9:00-10:00	Invited talk [room S5] Diffusion capacity of single and interconnected networks (Panos Pardalos) chairman: Roman Belavkin					
10:00-10:30	Coffee break					
10:30-12:10	Contributed talks [room S5] Contributed talks [room S6]					
	Building trust in video classification (Konstantinos Tarkasis)	Sensitivity analysis in linear programming revisited - a general approach involving different norms (Milan Hladík)				
	An evolutionary approach to automated class-specific data augmentation for image classification (Silviu Tudor Marc)	A quasi-extreme reduction for interval transportation problems (Elif Garajová)				
	Improving handwritten cyrillic OCR by font-based synthetic text generator (Miroslav Hlaváč)	A pseudopolynomial algorithm for the worst min-cost flow with uncertain capacities (Miroslav Rada)				
	Strategic decision making in trauma systems (Eva K. Lee)	Exploiting Monge-like properties in optimisation problems under interval uncertainty (Martin Černý)				
12:30-14:00	Lunch					
14:00-15:00	Invited talk [room S5], <i>Search in imperfect information games</i> (Martin Schmid) chairman: Milan Hladík					
	Contributed talks [room S5]	Contributed talks [room S6]				
15:10-16:00	Design of a new control loop using hysys dynamic (Hocine Meglouli)	Using data mining techniques to analyze facial expression motion vectors (Roohallah Alizadehsani) [online]				
	The effects of shift generation on staff rostering (Kimmo Nurmi)	Determining asymmetry for random network models (David Hartman)				
16:00-16:30	Coffee break					
	Contributed talks [room S5]	Contributed talks [room S6]				
16:30-17:45	A collaborative multi-objective approach for clustering task based on distance measures and clustering validity indices (Beatriz Flamia Azevedo)	Iranian architectural styles recognition using image processing and deep learning (Mohammad Tayarani Darbandy) [online]				
	A spectral projected gradient in non-Cartesian coordinate spaces: a case study in structural biology (Antonio Mucherino, Jung-Hsin Lin)	Optimizing classroom assignments to reduce non-essential interactions among university-level students during pandemics (Mujahid N. Syed) [online]				
	A numerical scheme for a generalized fractional derivative with variable order (Ricardo Almeida)	Augmented Lagrangian method for linear programming using smooth approximation (Hossein Moosaei)[online]				
19:00-22:00	Conference dinner					

Conference program: Tuesday (September 5, 2023)

9:00-10:00	Invited talk [room S5] <i>Quantifying model uncertainty for semantic segmentation using RKHS operators</i> (Jose C. Principe) chairman: Panos Pardalos					
10:00-10:30	Coffee break					
10:30-12:10	Contributed talks [room S5]	Contributed talks [room S6]				
	A risk-cost analysis for an increasingly widespread monitoring of railway lines (Imma Lory Aprea)	A mixed-integer soft sensor development algorithm (Hasan Sildir)				
	<i>Optimizing the performance of financial vehicles using DEA</i> (Maryam Badrizadeh)	A cluster-based heuristic method for private car sharing (Zeliha Ergul Aydin)				
	Consumers financial distress: Prediction and prescription using machine learning (Serge Nyawa, Samuel Fosso Wamba)	Heuristic algorithms for multistage flowshop scheduling problem (Kyriakos Bitsis)				
	The use of artificial intelligence in supply chain project management (Oncu Hazir, Dirk Hartel)	Metaheuristic algorithm based on tabu search for consistent vehicle routing problem (Rodrigo Linfati)				
12:10-12:30	Conference photo					
12:30-14:00	Lunch					
14:00-15:00	Industrial session [room S5] <i>Why and how to optimize in energy</i> (Urban Kravjanský, ČEZ Group) chairwoman: Elif Garajová					
16:00-18:00	Social program (Excursion)					

Conference program: Wednesday (September 6, 2023)

9:00-10:00	Invited talk [room S5] Towards a dynamic value of information theory (Roman Belavkin) chairman: Jose C. Principe					
10:00-10:30	Coffee break					
	Contributed talks [room S5]	Contributed talks [room S6]				
	Designing networks resilient to clique blockers (Foad Mahdavi Pajouh)	Assignment of unexpected tasks in embedded system design process using genetic programming (Adam Górski)				
10:30-12:10	The effects of an earnings-based covenant on capital structure and firm value (Michi Nishihara)	An exact parallel method for a bi-objective knapsack problem (Younes Djellouli)				
	An efficient heuristic for solving the general-product structure assemble-to-order systems (Mohsen Elhafsi)	Dispersion of personal spaces (Jaroslav Horáček)				
	Strengthening network security and resilience through critical node detection and analysis (Essia Hamouda)					
12:30-14:00	Lunch					
14:00-15:30	Tutorial [room S5] RealOpt-Contingency – A computational platform for all hazard and disaster response (Eva K. Lee) chairman: Jaroslav Horáček					
15:30-15:45	Closing session [room S5]					