WEDNESDAY (July 12, 2023)		
09:00-09:10	**ICAPS 2023 Updates (N1)**	
09:10-10:10	**Invited Talk:** (N1, chair: Roni Stern)	
	(Formal) Languages Help AI Agents Learn, Plan, and Remember	**Sheila McIlraith**
10:10-11:10	**Main 5 - Multi-Agent Planning (N1, chair: Ayal Taitler)**	
	Planning with Multi-agent Belief using Justified Perspectives	Guang Hu, Tim Miller and Nir Lipovetzky
online	*Deadline-Aware Multi-Agent Tour Planning*	*Taoan Huang, Vikas Shivashankar, Michael Caldara, Joseph Durham, Jiaoyang Li, Bistra Dilkina and Sven Koenig*
	Planning for Attacker Entrapment in Adversarial Settings	Brittany Cates, Anagha Kulkarni and Sarath Sreedharan
	Model Checking for Adversarial Multi-Agent Reinforcement Learning with Reactive Defense Methods	Dennis Groß, Christoph Schmidl, Nils Jansen and Guillermo Perez
10:10-11:10	**Learning 2 (T1, chair: Alberto Camacho)**	
	Imitation Improvement Learning for Large-scale Capacitated Vehicle Routing Problems	Viet Bui and Tien Mai
	Timed Partial Order Inference Algorithm	Kandai Watanabe, Bardh Hoxha, Danil Prokhorov, Georgios Fainekos, Morteza Lahijanian, Sriram Sankaranarayanan and Tomoya Yamaguchi
	Goal Recognition as a Deep Learning Task: the GRNet Approach	Mattia Chiari, Alfonso Emilio Gerevini, Luca Putelli, Francesco Percassi and Ivan Serina
	Safe MDP Planning by Learning Temporal Patterns of Undesirable Trajectories and Averting Negative Side Effects	Siow Meng Low, Akshat Kumar and Scott Sanner
11:10-11:40	COFFEE BREAK (foyer - ground floor)	
11:40-12:40	**Main 6 - Planning under Uncertainty (N1, chair: Stefan Edelkamp)**	
	Safety Shielding under Delayed Observation (short)	Filip Cano Córdoba, Alexander Palmisano, Martin Fränzle, Roderick Bloem and Bettina Könighofer
	A Column Generation Approach to Correlated Simple Temporal Networks	Andrew Murray, Ashwin Arulselvan, Michael Cashmore, Marc Roper and Jeremy Frank
	A Theory of Merge-and-Shrink for Stochastic Shortest Path Problems	Thorsten Klößner, Álvaro Torralba, Marcel Steinmetz and Silvan Sievers

online	*A Best-First Search Algorithm for FOND Planning and Heuristic Functions to Optimize Decompressed Solution Size*	*Frederico Messa and André Grahl Pereira*
	Online Planning for Constrained POMDPs with Continuous Spaces through Dual Ascent (short)	Arec Jamgochian, Anthony Corso and Mykel Kochenderfer
11:40-12:40	**Applications 1 (T1, chair: Hana Rudová)**	
	Heuristic Search For Physics-Based Problems: Angry Birds in PDDL+	Wiktor Piotrowski, Yoni Sher, Sachin Grover, Roni Stern and Shiwali Mohan
	Solving the Multi-Choice Two Dimensional Shelf Strip Packing Problem with Time Windows	Matthias Horn, Emir Demirović and Neil Yorke-Smith
	Combining Clinical and Spatial Constraints into Temporal Planning to Personalize Physical Rehabilitation	Alessandro Umbrico, Marco Benadduci, Roberta Bevilacqua, Amedeo Cesta, Francesca Fracasso, Elvira Maranesi, Andrea Orlandini and Gabriella Cortellessa
	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in	Felix Winter, Sebastian Meiswinkel, Nysret Musliu, Daniel Walkiewicz
12:40-14:00	LUNCH (foyer - 1. floor)	
14:00-15:30	**Main 7 - Classical Planning and Search (N1, chair: Jane Jean Kiam)**	
	On Using Action Inheritance and Modularity in PDDL Domain Modelling	Alan Lindsay
	Landmark Progression in Heuristic Search	Clemens Büchner, Thomas Keller, Salomé Eriksson and Malte Helmert
	Grounding Planning Tasks Using Tree Decompositions and Iterated Solving	Augusto B. Corrêa, Markus Hecher, Malte Helmert, Davide Mario Longo, Florian Pommerening and Stefan Woltran
	Efficient Evaluation of Large Abstractions for Decoupled Search: Merge-and-Shrink and Symbolic Pattern Databases	Daniel Gnad, Silvan Sievers and Álvaro Torralba
	Computing Domain Abstractions for Optimal Classical Planning with Counterexample-Guided Abstraction Refinement (short)	Raphael Kreft, Clemens Büchner, Silvan Sievers and Malte Helmert
	Finding Matrix Multiplication Algorithms with Classical Planning (short)	David Speck, Paul Höft, Daniel Gnad and Jendrik Seipp
	Runahead A* : Speculative Parallelism for A* with Slow Expansions	Mohammad Bakhshalipour, Mohamad Qadri, Dominic Guri, Seyed Borna Ehsani, Maxim Likhachev and Phillip Gibbons
14:00-15:30	**IPC Results 2 & Announcements (T1, chair: Mauro Vallati)**	

	Learning Track	
		Jendrik Seipp and Javier Segovia-Aguas
	HTN Tracks	Ron Alford, Dominik Schreiber and Gregor Behnke
	Multi-Agent Path Finding Competition Announcement	Daniel Harabor
15:30-16:00	COFFEE BREAK (foyer - ground floor)	
16:00-17:00	**Awards Ceremony (N1)**	
17:00-18:30	**Community meeting (N1)**	
19:45	MEETING POINT (Dvořákovo nábřeží, Landing place No. 9)	
20:00-22:30	DINNER ON A BOAT	