MONDAY (July 10, 2023)		
08:00-09:00	Registration (N3)	
09:00-10:30	**Workshop PlanRob (T1)**	
	Opening remarks	
	Robofriend: An Adpative Storytelling Robotic Teddy Bear	Ido Glanz, Matan Weksler, Erez Karpas and Tzipi Horowitz-Kraus
	Capability-Based Task Planning for Human-Robot Assembly Stations Employing People with Disabilities	Carlo Weidemann, Hyun-Ji Choi, Ritesh Yadav, Stefan-Octavian Bezrucav and Burkhard Corves
	Anticipating False Beliefs and Planning Pertinent Reactions in Human-Aware Task Planning with Models of Theory of Mind	Anthony Favier, Shashank Shekhar and Rachid Alami
	PTDRL: Parameter Tuning Using Deep Reinforcement Learning	Elias Goldsztejn, Ronen Brafman and Tal Feiner
09:00-10:30	**Workshop HSDIP (N2)**	
	Opening remarks	
	Invited Talk: Contrastive Analysis: Heuristic Search Beyond Heuristics	**Álvaro Torralba**
09:00-10:30	**Workshop HAXP/PAIR (T2)**	
	Opening remarks	
	Invited Talk: Explaining Numeric Flaws in Plans	**David Smith**
	Outcome Prediction and Explainability for Mission Operations of Autonomous Spacecrafts	Alberto Candela, Tiago Vaquero, Bennett Huffman, Nihal Dhamani, Federico Rossi, Rebecca Castano
	Explanation Framework for Optimization-based Scheduling: Evaluating Contributions of Constraints and Parameters by Shapley Values	Yuta Tsuchiya, Masaki Hamamoto
09:00-10:30	**Tutorial MPDS with RDDL (N6)**	
	Introduction to MDP Modeling and Interaction via RDDL and pyRDDLGym	Scott Sanner, Ayal Taitler
09:00-10:30	**Tutorial MACQ (N7)**	
	Model Acquisition in the Modern Era (MACQ)	Christian Muise, Tathagata Chakraborti
10:30-11:00	COFFEE BREAK (foyer - ground floor)	
11:00-12:20	**Workshop PlanRob (T1)**	
	Planning for Learning Object Properties	Leonardo Lamanna, Luciano Serafini, Mohamadreza Faridghasemnia, Alessandro Saffiotti, Alessandro Saetti, Alfonso Emilio Gerevini and Paolo Traverso
	Combined Task and Motion Planning Via Sketch Decompositions	Magí Dalmau Moreno, Néstor García Hidalgo, Vicenç Gómez and Hector Geffner
	Adaptive Robot Navigation through Integrated Task and Motion Planning	Phani-Teja Singamaneni, Alessandro Umbrico, Andrea Orlandini and Rachid Alami
online	*Informed Steiner Trees: Sampling and Pruning for Multi-Goal Path Finding in High Dimensions*	*Nikhil Chandak, Kenny Chour, Sivakumar Rathinam and R Ravi, Georg Martius*
11:00-12:00	**Workshop HSDIP (N2)**	

	On K* Search for Top-k Planning	Junkyu Lee, Michael Katz, Shirin Sohrabi
	K* Search Over Orbit Space for Top-k Planning	Michael Katz, Junkyu Lee
	K* and Partial Order Reduction for Top-quality Planning	Michael Katz, Junkyu Lee
11:00-12:30	**Workshop HAXP/PAIR (T2)**	
	Action Policy Explanations in Oversubscription Planning	Aleena Siji, Rebecca Eifler, Daniel Fišer, Jörg Hoffmann
	Specifying Goals to Deep Neural Networks with Answer Set Programming	Forest Agostinelli
	Formal Explanations of Neural Network Policies for Planning	Renee Selvey, Alban Grastien, Sylvie Thiébaux
	Invited Talk: Start Making Sense! Using Cognitive, Social, and Affective Information for Interaction and Explainable Planning	**Ron Petrick**
11:00-12:30	**Tutorial MPDS with RDDL (N6)**	
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11:00-12:30	**Tutorial MACQ (N7)**	
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12:30-14:00	LUNCH (foyer - 1. floor)	
14:00-15:30	**Workshop PlanRob (T1)**	
	Invited Talk	**Michael Beetz**
	The Hamiltonian Cycle and Travelling Salesperson Problems with Traversal-Dependent Edge Deletion	Sarah Carmesin, David Woller, David Parker, Miroslav Kulich and Masoumeh Mansouri
13:30-15:30	**Workshop HSDIP (N2)**	
	Triangle Search: An Anytime Beam Search	Sofia Lemons, Wheeler Ruml, Carlos Linares López, Robert Holte
	Any-Start-Time Planning for SIPP	Devin Wild Thomas, Solomon Eyal Shimony, Wheeler Ruml, Erez Karpas, Shahaf S. Shperberg, Andrew Coles
	Online Planning for Stochastic Collaborative Privacy Preserving Planning	Oriel Uzan, Guy Shani
	Scale-Adaptive Balancing of Exploration and Exploitation in Classical Planning	Stephen Wissow, Masataro Asai
	Action Schema Networks for Numerical Planning	Afifa Tariq, Richard Valenzano, Mikhail Soutchanski
14:00-15:30	**Workshop HAXP/PAIR (T2)**	
	Towards Human-Aware AI via Epistemic Planning with Preferences	Toryn Q. Klassen, Christian Muise, Sheila A. McIlraith
	TIPs: Transparency Information Pacts	Phillip Walker, Ugur Kuter, Christopher A Miller, Helen Wauck, Matthew DeHaven, Christopher Geib
	DR-HAI: Argumentation-based Dialectical Reconciliation in Human-AI Interactions	Stylianos Loukas Vasileiou, Ashwin Kumar, William Yeoh

	Comparing AI Planning Algorithms with Humans on the Tower of London Task	Chenyuan Zhang, Nir Lipovetzky, Charles Kemp
	Learning and Recognizing Human Behaviour with Relational Decision Trees	Stanislav Sitanskiy, Laura Sebastia, Eva Onaindia
13:55-15:30	**Workshop RDDPS (N4)**	
	Opening remarks	
	Invited Talk: Verifying Learning-Based Robotic Navigation Systems	**Guy Amir**
	Action Policy Testing with Heuristic-Based Bias Functions	Xandra Schuler, Jan Eisenhut, Daniel Höller, Daniel Fišer, Jörg Hoffmann
	Policy-Specific Abstraction Predicate Selection in Neural Policy Safety Verification	Marcel Vinzent, Min Wu, Haoze Wu and Jörg Hoffmann
14:00-15:30	**Workshop HPlan (N5)**	
	Opening remarks	
	Teaser Talk: Implicit Dependency Detection for HTN Plan Repair	Paul Zaidins; Mark Roberts; and Dana Nau
	Teaser Talk: On the Computational Complexity of Plan Verification, (Bounded) Plan-Optimality Verification, and Bounded Plan Existence	Songtuan Lin; Conny Olz; Malte Helmert; and Pascal Bercher
	Teaser Talk: HDDL 2.1: Towards Defining a Formalism and a Semantics for Temporal HTN Planning	Damien Pellier; Alexandre Albore; Humbert Fiorino; Rafael Bailon-Ruiz
	Teaser Talk: On Guiding Search in HTN Temporal Planning with non Temporal Heuristics	Nicolas Cavrel; Damien Pellier; and Humbert Fiorino
	Teaser Talk: Integrating Deep Learning Techniques into Hierarchical Task Planning for Effect and Heuristic Predictions in 2D Domains	Michael Staud
	Teaser Talk: Extracting Hierarchical Task Networks Parameters from Demonstrations	Philippe Hérail
	Teaser Talk: A Look-Ahead Technique for Search-Based HTN Planning: Reducing the Branching Factor by Identifying Inevitable Task Refinements	Conny Olz; and Pascal Bercher
	Teaser Talk: Can HTN Planning Make Flying Alone Safer?	Jane Jean Kiam; and Prakash Jamakatel
	Poster Session	
14:00-15:30	**Workshop PLATO (N6)**	
	Invited Talk (shared with PlanRob, Room T1)	**Michael Beetz**
	Challenges on Deriving Planning Problems for Ontologies	Milene Santos Teixeira, Michael Welt, Birte Glimm and Raphael Chis
	Plan and Ontology-Based Dialogue Policies for Healthcare	Milene Santos Teixeira and Mauro Dragoni
14:00-15:30	**Tutorial Planning with LLMs (N7)**	

	On the role of Large Language Models in Planning	Subbarao Kambhampati, Karthik Valmeekam, Matthew Marquez, Lin Guan
15:30-16:00	COFFEE BREAK (foyer - ground floor)	
16:00-17:50	**Workshop PlanRob (T1)**	
	A novel algorithm for parallelizing actions of a sequential plan	Sofia Santilli, Alessandro Trapasso, Luca Iocchi and Fabio Patrizi
	Towards computing low-makespan solutions for multi-arm multi-task planning problems	Valentin Hartmann and Marc Toussaint
	Solving Robust Execution of Multi-Agent Pathfinding Plans as a Scheduling Problem	David Zahrádka, Daniel Kubišta and Miroslav Kulich
	A Closed-Loop Framework-Independent Bridge from AIPlan4EU's Unified Planning Platform to Embedded Systems	Selvakumar Hastham Sathiya Satchi Sadanandam, Sebastian Stock, Alexander Sung, Felix Ingrand, Oscar Lima, Marc Vinci, Joachim Hertzberg
	A Physics-Based Simulated Robotics Testbed for Planning and Acting Research	Oscar Lima Carrion, Martin Günther, Alexander Sung, Sebastian Stock, Marc Vinci, Amos Smith, Jan Christoph Krause, Joachim Hertzberg
	Closing remarks	
16:00-17:30	**Workshop HSDIP (N2)**	
	On Reducing Action Labels in Planning Domains	Harsha Kokel, Junkyu Lee, Michael Katz, Kavitha Srinivas, Shirin Sohrabi
	Novelty and Lifted Helpful Action in Generalized Planning	Chao Lei, Nir Lipovetzky, Krista A. Ehinger
	From State Spaces to Semigroups: Leveraging Algebraic Formalism for Automated Planning	Alice Petrov, Christian Muise
	PARIS: Planning Algorithms for Reconfiguring Independent Sets	Remo Christen, Salomé Eriksson, Michael Katz, Christian Muise, Alice Petrov, Florian Pommerening, Jendrik Seipp, Silvan Sievers, David Speck
	Closing remarks	
16:00-17:30	**Workshop HAXP/PAIR (T2)**	
	Invited Talk: Hierarchical Formalisms in Plan Recognition as Planning	**Daniel Höller**
	Towards Intention Recognition for Robotic Assistants Through Online POMDP Planning	Juan Carlos Saborío, Joachim Hertzberg
	Recognizing Hierarchical Plans via Early Parsing	Kristýna Pantůčková, Roman Barták
	Bridging the Gap Between Structural and Semantic Similarity in Diverse Planning	Joan Espasa Arxer, Ian Gent, Alice Toniolo, Mustafa Abdelwahed
16:00-17:30	**Workshop RDDPS (N4)**	
	A Generalization of the Shortest Path Problem to Graphs with Multiple Edge-Cost Estimates	Eyal Weiss, Ariel Felner and Gal Kaminka

	Safe Learning of PDDL Domains with Conditional Effects	Argaman Mordoch, Roni Stern, Enrico Scala and Brendan Juba
	Plausibility-Based Heuristics for Latent Space Classical Planning	Yuta Takata and Alex Fukunaga
	Open Discussion	
16:00-17:00	**Workshop HPlan (N5)**	
	Invited Talk: Automated Learning of Hierarchical Knowledge for Planning and Acting	**Hector Munoz-Avila**
16:00-17:50	**Workshop PLATO (N6)**	
	Invited Talk: Layering physical and social interactions for planning via ontology	**Stefano Borgo**
	Ontology-guided Knowledge Graph Construction to Support Scheduling in Train Maintenance Depot	Emmanuel Papadakis, Thomas Leo McCluskey, Hassna Louadah and Gareth Tucke
	Planning with Ontology-Enhanced States Using Problem-Dependent Rewritings	Tobias John and Patrick Koopmann
	Building and Using a Planning Ontology from Past Data for Performance Efficiency	Bharath Muppasani, Vishal Pallagani, Biplav Srivastava and Raghava Mutharaju
	Closing remarks	
16:00-17:00	**Tutorial Planning with LLMs (N7)**	
	On the role of Large Language Models in Planning	Subbarao Kambhampati, Karthik Valmeekam, Matthew Marquez, Lin Guan
17:00-18:00	Registration (N3)	
18:00-20:00	WELCOME RECEPTION (foyer - ground floor)	