ICAPS 2019 Schedule overview

	Saturday 13th			
8.30-9.30	Invited talk: Anca Dragan			
9.40-10.40	Classical Planning	Planetary Exploration		
10.40-11.00	Coffee break			
11.00-12.30	Probabilistic Planning I	LTL & Temporal Planning		
12.30-14.00	Lunch			
14.00-15.30	Search	Reinforcement Learning		
15.30-15.50	Coffee break			
15.50-16.30	Invited Industry Session	Hybrid Planning & Algorithm Selection		
16.40-17.40	mvited madstry Jession	Complexity		
	18.00-20.00 Poster & Demo session (drinks & appetizers provided)			

	Sunday 14th		
8.30-9.30	Invited talk: J. Christopher Beck		
9.40-10.40	Multi-Agent Planning	Knowledge Engineering and Execution	
10.40-11.00	Coffee break		
11.00-12.30	Optimal & Oversubscription Planning	Scheduling under Uncertainty	
12.30-14.00	Lunch		
14.00-15.30	Recognition I Applications I		
15.30-15.50	Coffee break		
15.50-16.30	Recognition II Robotics I		
16.40-17.40	Awards + Community meeting (ends at 18:30)		
	19:00 - Banquet		

	Monday 15th		
8.30-9.30	Invited talk: Derek Long		
9.40-10.40	Probabilistic Planning II	Applications II	
10.40-11.00	Coffee	break	
11.00-12.30	Learning	Constraint Reasoning and OR	
12.30-14.00	Lunch		
14.00-15.30	Path and Motion Planning	Robotics II	
15.30-15.50	Coffee break		
15.50-16.30	Path Planning	Transportation Scheduling	
16.40-17.40	Applications III	Hybrid Planning	

Saturday 13th 8.30-9.30 9.40-10.40

Invited talk: Anca Dragan

1a: Classical Planning	60		1b: Planetary Exploration	6
Theoretical Foundations for Structural Symmetries of Lifted PDDL Tasks	Silvan Sievers, Gabriele Röger, Martin Wehrle and Michael Katz		Robust Operations Management on Mars	Michael Saint-Guillain
Relaxed BDDs: An Admissible Heuristic for Delete-Free Planning Based on a Discrete Relaxation	Margarita Castro, Chiara Piacentini, Andre Augusto Cire and Chris Beck		Temporal Brittleness Analysis of Task Networks for Planetary Rovers	Tiago Vaquero, Steve Chien, Jagriti Agrawal, Wayne Chi and Terrance Huntsberger
Planning with Global State Constraints and State-Dependent Action Costs	Franc Ivankovic, Patrik Haslum and Dan Gordon	Short Paper	Mars On-site Shared Analytics, Information, and Computing	Joshua Vander Hook, Tiago Stegun Vaquero, Federico Rossi, Martina Troesch, Marc Sanchez-Net, Joshua Schoolcraft, Jean-Pierre de la Croix and Steve Chien
Advanced Factoring Strategies for Decoupled Search using Linear Programming	Frederik Schmitt, Daniel Gnad and Joerg Hoffmann	Short Paper		

10.40-11.00 11.00-12.30 Coffee break

2a: Probabilistic Planning I	90
Robust Bayes-Adaptive Planning under	Apoorva Sharma, James Harrison,
Model Uncertainty	Matthew Tsao and Marco Pavone
POMHDP: Search-based Belief Space	Sung-Kyun Kim, Oren Salzman and
Planning using Multiple Heuristics	Maxim Likhachev
An Exact Algorithm to make a Trade-off	Valdinei Freire, Karina Valdivia
between Cost and Probability in SSPs	Delgado and Willy Arthur Silva Reis
Discovery of Optimal Solution Horizons	Grigory Neustroev, Mathijs de Weerdt
in Non-Stationary Markov Decision	and Remco Verzijlbergh
Processes with Unhounded Rewards	

2b: LTL & Temporal Planning	90
Planning under LTL Environment	Benjamin Aminof, Giuseppe De
Specifications	Giacomo, Aniello Murano and Sasha Rubin
Learning Interpretable Models Expressed in Linear Temporal Logic	Alberto Camacho and Sheila A. McIlraith
Towards a Unified View of AI Planning and Reactive Synthesis	Alberto Camacho, Meghyn Bienvenu and Sheila A. McIlraith
Replanning for Situated Robots	Michael Cashmore, Andrew Coles, Bence Cserna, Erez Karpas, Daniele Magazzeni and Wheeler Ruml
Temporal Planning as Refinement-Based Model Checking	Alexander Heinz, Martin Wehrle, Sergiy Bogomolov, Daniele Magazzeni, Marius Greitschus and Andreas Podelski

Short Paper

12.30-14.00

Lunch

14.00-15.30

3a: Search	90	
On the Pathological Search Behavior of	Ryo Kuroiwa and Alex Fukunaga	
Distributed Greedy Best First Search		
Symbolic Planning with Axioms	David Speck, Florian Geißer, Robert	
	Mattmüller and Álvaro Torralba	
Bridging the Gap Between Abstractions	Marcel Steinmetz and Álvaro Torralba	
and Critical-Path Heuristics via		
Hypergraphs		
T-REX: SAT-based Tree Exploration for	Dominik Schreiber, Tomáš Balyo,	
Efficient and High-Quality HTN Planning	Damien Pellier and Humbert Fiorino	
Solving Graph Problems in Euclidean	Jiaoyang Li, Ariel Felner, Sven Koenig	Short Paper
Space Using FastMap	and T. K. Satish Kumar	
		='

3b: Reinforcement Learning Foundations for Restraining Bolts: Giuseppe De Giacomo, Marco Favorito, Reinforcement Learning with LTLf/LDLf Luca locchi and Fabio Patrizi restraining specifications

Deep Policies for Width-Based Planning in Miquel Junyent, Anders Jonsson and Pixel Domains Vicenç Gómez Abhinav Bhatia, Pradeep Varakantham Resource Constrained Deep Reinforcement Learning and Akshat Kumar Learning Classical Planning Strategies Pawel Gomoluch, Dalal Alrajeh and with Policy Gradient Alessandra Russo Size-Independent Neural Transfer for Sankalp Garg, Aniket Bajpai and **RDDL Planning**

Short Paper

15.30-15.50

Coffee break

15.50-17.40

4a & 5a: Invited Industry Session	110	15.50-16.30	4b: Hybrid Planning & Algorithm Selection	40
Orbital Insight	James Crawford		Mixed Discrete Continuous Non-Linear	Elad Denenberg and Amanda Coles
			Planning Through Piecewise Linear	
			Approximation	
PARC	Matthew Klenk		Algorithm Selection in Optimization and	Shahaf S. Shperberg, Avinoam Yehezkel
			Application to Angry Birds	and Solomon Eyal Shimony
United Technologies Research Center	Richa Varma			
Nissan Research Center	Stefan Witwicki	16.40-17.40	5b: Complexity	60
Waymo	Omer Baror		Eliminating Redundant Actions in Partially	Conny Olz and Pascal Bercher
			Ordered Plans A Complexity Analysis	
Lyft	Sammy Omari		On Computational Complexity of	Alexander Shleyfman
	,		Automorphism Groups in Classical	,
			Planning	
			On the Relation between Star-Topology	Daniel Gnad and Joerg Hoffmann
			Decoupling and Petri Net Unfolding	

18.00-20.00

Poster and Demo Session

		Invi	ited talk: J. Christop	her Beck		
3.30-9.30			_			_
40-10.40	6a: Multi-Agent Planning	60		6b: Knowledge Engineering and Execution	60	
	Best-First Width Search for Multi Agent Privacy-preserving Planning	Alfonso E. Gerevini, Nir Lipovetzky, Francesco Percassi, Alessandro Saetti and Ivan Serina		PLASP 3: Towards Effective ASP Planning	Yannis Dimopoulos, Martin Gebser, Patrick Lühne, Javier Romero and Torsten Schaub	Journal Pa
	A Factored Approach to Contingent Multi- Agent Planning			On Compiling Away PDDL3 Qualitative Preferences without Using Automata	Francesco Percassi and Alfonso Emilio Gerevini	
	Privacy Leakage of Search-based Multi- Agent Planning Algorithms	Shashank Shekhar, Ronen Brafman and Guy Shani		Goal Reasoning in a CLIPS-based Executive for Integrated Planning and Execution	Tim Niemueller, Till Hofmann and Gerhard Lakemeyer	
.40-11.00			Coffee break			
1.00-12.30	7a: Optimal & Oversubscription Planning	90	7	7b: Scheduling under Uncertainty	90	
.00 12.00	Subset Saturated Cost Partitioning for Optimal Classical Planning	Jendrik Seipp and Malte Helmert		Tabu-Based Large Neighbourhood Search for Time/Sequence-Dependent Scheduling Problems with Time Windows	Lei He, Mathijs de Weerdt and Neil Yorke-Smith	
	Counterexample-Guided Abstraction Refinement for Pattern Selection in Optimal Classical Planning	Alexander Rovner, Silvan Sievers and Malte Helmert	Short Paper	Quantifying Degrees of Controllability in Temporal Networks with Uncertainty	Shyan Akmal, Savana Ammons, Maggie Li and Jim Boerkoel	Honorable - Best Stud Paper Awa
	An Empirical Study of Perfect Potential Heuristics	Augusto B. Corrêa and Florian Pommerening	Short Paper	Propagating Piecewise-Linear Weights in Temporal Networks	Luke Hunsberger and Roberto Posenato	
	Lagrangian Decomposition for Optimal Cost Partitioning	Florian Pommerening, Gabriele Röger, Malte Helmert, Hadrien Cambazard, Louis-Martin Rousseau and Domenico Salvagnin	Best Paper Award	Measuring and Optimizing Durability Against Scheduling Disturbances	Joon Lee, Vivaswat Ojha and Jim Boerkoel	Short Pape
	Oversubscription Planning as Classical Planning with Multiple Cost Functions	Michael Katz, Emil Keyder, Florian Pommerening and Dominik Winterer		Reducing the Computational and Communication Overhead of Robust Agent Rescheduling	Jordan Abrahams, William Lloyd, Grace Diehl, Marina Knittel, Judy Lin, David Chu, Jeremy Frank and Jim Boerkoel	
.30-14.00			Lunch			
1.00-15.30	8a: Recognition I	90		8b: Applications I	90	
	Foundations of Human-Aware Planning –	Tathagata Chakraborti	Honorable	ZAC: A Zone pAth Construction Approach	Marshar Laurelalian Dandara	
	A Tale of Three Models		Mention - Best Dissertation Award	for Effective Real Time Ride Sharing	Meghna Lowalekar, Pradeep Varakantham and Patrick Jaillet	Best Applic Paper
	A Tale of Three Models Model Recognition as Planning	Diego Aineto, Sergio Jiménez, Eva Onaindia and Miquel Ramírez	Dissertation			
			Dissertation	for Effective Real Time Ride Sharing Reinforcement Learning Based Querying in Camera Networks for Efficient Target	Varakantham and Patrick Jaillet Anil Sharma, Saket Anand and Sanjit	
	Model Recognition as Planning Explicability? Legibility? Predictability? Transparency? Privacy? Security? The Emerging Landscape of Interpretable	Onaindia and Miquel Ramírez Tathagata Chakraborti, Anagha Kulkarni, Sarath Sreedharan, David	Dissertation	for Effective Real Time Ride Sharing Reinforcement Learning Based Querying in Camera Networks for Efficient Target Tracking Optimizing Parameters for Uncertain	Varakantham and Patrick Jaillet Anil Sharma, Saket Anand and Sanjit Kaul Wayne Chi, Jagriti Agrawal and Steve	Paper
	Model Recognition as Planning Explicability? Legibility? Predictability? Transparency? Privacy? Security? The Emerging Landscape of Interpretable Robot Behavior Efficient Heuristic Search for Optimal	Onaindia and Miquel Ramírez Tathagata Chakraborti, Anagha Kulkarni, Sarath Sreedharan, David Smith and Subbarao Kambhampati Sarah Keren, Luis Pineda, Avigdor Gal, Erez Karpas and Shlomo Zilberstein	Dissertation	for Effective Real Time Ride Sharing Reinforcement Learning Based Querying in Camera Networks for Efficient Target Tracking Optimizing Parameters for Uncertain Execution and Rescheduling Robustness Front delineation and tracking with	Varakantham and Patrick Jaillet Anil Sharma, Saket Anand and Sanjit Kaul Wayne Chi, Jagriti Agrawal and Steve Chien Andrew Branch, Mar M. Flexas, Brian Claus, Andrew F. Thompson, Yanwu Zhang, Evan B. Clark, Steve Chien, David M. Fratantoni, James C. Kinsey, Brett Hobson, Brian Kieft and Francisco P.	Paper
5.30-15.50	Model Recognition as Planning Explicability? Legibility? Predictability? Transparency? Privacy? Security? The Emerging Landscape of Interpretable Robot Behavior Efficient Heuristic Search for Optimal Environment Redesign	Onaindia and Miquel Ramírez Tathagata Chakraborti, Anagha Kulkarni, Sarath Sreedharan, David Smith and Subbarao Kambhampati Sarah Keren, Luis Pineda, Avigdor Gal, Erez Karpas and Shlomo Zilberstein Alberto Pozanco, Yolanda E-Martín,	Dissertation Award	for Effective Real Time Ride Sharing Reinforcement Learning Based Querying in Camera Networks for Efficient Target Tracking Optimizing Parameters for Uncertain Execution and Rescheduling Robustness Front delineation and tracking with	Varakantham and Patrick Jaillet Anil Sharma, Saket Anand and Sanjit Kaul Wayne Chi, Jagriti Agrawal and Steve Chien Andrew Branch, Mar M. Flexas, Brian Claus, Andrew F. Thompson, Yanwu Zhang, Evan B. Clark, Steve Chien, David M. Fratantoni, James C. Kinsey, Brett Hobson, Brian Kieft and Francisco P.	
5.30-15.50 5.50-16.30	Model Recognition as Planning Explicability? Legibility? Predictability? Transparency? Privacy? Security? The Emerging Landscape of Interpretable Robot Behavior Efficient Heuristic Search for Optimal Environment Redesign	Onaindia and Miquel Ramírez Tathagata Chakraborti, Anagha Kulkarni, Sarath Sreedharan, David Smith and Subbarao Kambhampati Sarah Keren, Luis Pineda, Avigdor Gal, Erez Karpas and Shlomo Zilberstein Alberto Pozanco, Yolanda E-Martín,	Dissertation Award Short Paper Coffee break	for Effective Real Time Ride Sharing Reinforcement Learning Based Querying in Camera Networks for Efficient Target Tracking Optimizing Parameters for Uncertain Execution and Rescheduling Robustness Front delineation and tracking with multiple underwater vehicles	Varakantham and Patrick Jaillet Anil Sharma, Saket Anand and Sanjit Kaul Wayne Chi, Jagriti Agrawal and Steve Chien Andrew Branch, Mar M. Flexas, Brian Claus, Andrew F. Thompson, Yanwu Zhang, Evan B. Clark, Steve Chien, David M. Fratantoni, James C. Kinsey, Brett Hobson, Brian Kieft and Francisco P.	Journal Pag
	Explicability? Legibility? Predictability? Transparency? Privacy? Security? The Emerging Landscape of Interpretable Robot Behavior Efficient Heuristic Search for Optimal Environment Redesign Finding Centroids and Minimum Covering States in Planning	Onaindia and Miquel Ramírez Tathagata Chakraborti, Anagha Kulkarni, Sarath Sreedharan, David Smith and Subbarao Kambhampati Sarah Keren, Luis Pineda, Avigdor Gal, Erez Karpas and Shlomo Zilberstein Alberto Pozanco, Yolanda E-Martín, Susana Fernández and Daniel Borrajo	Dissertation Award Short Paper Coffee break	for Effective Real Time Ride Sharing Reinforcement Learning Based Querying in Camera Networks for Efficient Target Tracking Optimizing Parameters for Uncertain Execution and Rescheduling Robustness Front delineation and tracking with multiple underwater vehicles	Varakantham and Patrick Jaillet Anil Sharma, Saket Anand and Sanjit Kaul Wayne Chi, Jagriti Agrawal and Steve Chien Andrew Branch, Mar M. Flexas, Brian Claus, Andrew F. Thompson, Yanwu Zhang, Evan B. Clark, Steve Chien, David M. Fratantoni, James C. Kinsey, Brett Hobson, Brian Kieft and Francisco P. Chavez	Journal Pag
	Explicability? Legibility? Predictability? Transparency? Privacy? Security? The Emerging Landscape of Interpretable Robot Behavior Efficient Heuristic Search for Optimal Environment Redesign Finding Centroids and Minimum Covering States in Planning 9a: Recognition II Landmark-Enhanced Heuristics for Goal Recognition in Incomplete Domain	Onaindia and Miquel Ramírez Tathagata Chakraborti, Anagha Kulkarni, Sarath Sreedharan, David Smith and Subbarao Kambhampati Sarah Keren, Luis Pineda, Avigdor Gal, Erez Karpas and Shlomo Zilberstein Alberto Pozanco, Yolanda E-Martín, Susana Fernández and Daniel Borrajo 40 Ramon Fraga Pereira, André Grahl	Dissertation Award Short Paper Coffee break	for Effective Real Time Ride Sharing Reinforcement Learning Based Querying in Camera Networks for Efficient Target Tracking Optimizing Parameters for Uncertain Execution and Rescheduling Robustness Front delineation and tracking with multiple underwater vehicles 9b: Robotics I POMDP-based Candy Server: Lessons	Varakantham and Patrick Jaillet Anil Sharma, Saket Anand and Sanjit Kaul Wayne Chi, Jagriti Agrawal and Steve Chien Andrew Branch, Mar M. Flexas, Brian Claus, Andrew F. Thompson, Yanwu Zhang, Evan B. Clark, Steve Chien, David M. Fratantoni, James C. Kinsey, Brett Hobson, Brian Kieft and Francisco P. Chavez 40 Arthur Claviere, Souradeep Dutta and	Journal Pag
	Explicability? Legibility? Predictability? Transparency? Privacy? Security? The Emerging Landscape of Interpretable Robot Behavior Efficient Heuristic Search for Optimal Environment Redesign Finding Centroids and Minimum Covering States in Planning 9a: Recognition II Landmark-Enhanced Heuristics for Goal Recognition in Incomplete Domain Models Error-Tolerant Anytime Approach for	Onaindia and Miquel Ramírez Tathagata Chakraborti, Anagha Kulkarni, Sarath Sreedharan, David Smith and Subbarao Kambhampati Sarah Keren, Luis Pineda, Avigdor Gal, Erez Karpas and Shlomo Zilberstein Alberto Pozanco, Yolanda E-Martín, Susana Fernández and Daniel Borrajo 40 Ramon Fraga Pereira, André Grahl Pereira and Felipe Meneguzzi Jean Massardi, Mathieu Gravel and Éric Beaudry	Dissertation Award Short Paper Coffee break	for Effective Real Time Ride Sharing Reinforcement Learning Based Querying in Camera Networks for Efficient Target Tracking Optimizing Parameters for Uncertain Execution and Rescheduling Robustness Front delineation and tracking with multiple underwater vehicles 9b: Robotics I POMDP-based Candy Server: Lessons Learned from a Seven Day Demo Trajectory Tracking Control for Robotic Vehicles using Counterexample Guided Training of Neural Networks	Varakantham and Patrick Jaillet Anil Sharma, Saket Anand and Sanjit Kaul Wayne Chi, Jagriti Agrawal and Steve Chien Andrew Branch, Mar M. Flexas, Brian Claus, Andrew F. Thompson, Yanwu Zhang, Evan B. Clark, Steve Chien, David M. Fratantoni, James C. Kinsey, Brett Hobson, Brian Kieft and Francisco P. Chavez 40 Arthur Claviere, Souradeep Dutta and Sriram Sankaranarayanan Marcus Hoerger, Joshua Mun Liang Song,	Journal Pag

8.30-9.30			Invited talk: Derek	Long		
.40-10.40	10a: Probabilistic Planning II	60	1	10b: Applications II	60	1
	Online Risk-Bounded Motion Planning for Autonomous Vehicles in Dynamic Environments	Xin Huang, Sungkweon Hong, Andreas Hofmann and Brian Williams		Towards Automating Crime Prevention through Environmental Design (CPTED) Analysis to Predict Burglary	Leanne Monchuk, Simon Parkinson and James Kitchen	
	A theoretical and algorithmic analysis of configurable MDPs	Melo and Manuela Veloso		The Clustered Dial-a-Ride Problem	Fabian Feitsch and Sabine Storandt	
	Stochastic Planning with Lifted Symbolic Trajectory Optimization	Hao Cui, Thomas Keller and Roni Khardon		Mixed Integer Programming versus Evolutionary Computation for Optimizing a Hard Real-World Staff Assignment Problem	Jannik Peters, Daniel Stephan, Isabel Amon, Hans Gawendowicz, Julius Lischeid, Lennart Salabarria, Jonas Umland, Felix Werner, Martin S. Krejca, Ralf Rothenberger, Timo Kötzing and Tobias Friedrich	
0.40-11.00			Coffee break			
1.00-12.30	11a: Learning	90	1	11b: Constraint Reasoning and OR	90	1
	Towards Stable Symbol Grounding with Zero-Suppressed State AutoEncoder	Masataro Asai and Hiroshi Kajino		Learning Scheduling Models from Event Data	Arik Senderovich, Kyle E. C. Booth and J. Christopher Beck	
	Unsupervised Grounding of Plannable First-Order Logic Representation from Images	Masataro Asai		Efficiently Exploring Ordering Problems through Conflict-directed Search	Jingkai Chen, Cheng Fang, David Wang, Andrew Wang and Brian Williams	
	Fast Feature Selection for Linear Value Function Approximation	Bahram Behzadian, Soheil Gharatappeh and Marek Petrik		Analysis of Backward Sequence in Cluster Tools with Processing Time Variations	Jun-Ho Lee and Hyun-Jung Kim	Short P
	Maximum Entropy based Independent Learning in Anonymous Multi-Agent Settings	Tanvi Verma, Pradeep Varakantham and Hoong Chuin Lau		An MDD-based Lagrangian Approach to the Multi-Commodity Pickup-and-Delivery TSP	Margarita Castro, Andre Augusto Cire and Chris Beck	Journal
				A stochastic dual dynamic integer programming for the uncapacitated lot- sizing problem with uncertain demand and costs	Franco Quezada, Céline Gicquel and Safia Kedad-Sidhoum	
2.30-14.00			Lunch			
1.00-15.30	12a: Path and Motion Planning	90	1	12b: Robotics II	90	1
1.00 13.30	Implicitly Coordinated Multi-Agent Path Finding under Destination Uncertainty: Success Guarantees and Computational Complexity	Bernhard Nebel, Thomas Bolander, Thorsten Engesser and Robert Mattmüller	Journal Paper	Open-world Reasoning for Service Robots	Yuqian Jiang, Nick Walker, Justin Hart and Peter Stone	
	Lazy CBS: Implict Conflict-Based Search Using Lazy Clause Generation	Graeme Gange, Daniel Harabor and Peter J. Stuckey		Intruder Alert! Optimization Models for Solving the Mobile Robot Graph-Clear Problem	Michael Morin, Margarita Castro, Kyle Booth and Chris Beck	Journa
	Improving the Combination of JPS and Geometric Containers	Yue Hu, Long Qin, Quanjun Yin, Daniel Harabor and Cong Hu	Short Paper	Provable Infinite-Horizon Real-Time Planning for Repetitive Tasks	Fahad Islam, Oren Salzman and Maxim Likhachev	
	Learning Heuristic for Mobile Robot Path Planning Using Deep Neural Network	Takeshi Takahashi, He Sun, Dong Tian and Yebin Wang		Speeding Up Search-based Motion Planning via Conservative Heuristics	Ishani Chatterjee, Maxim Likhachev, Ashwin Khadke and Manuela Veloso	Short P
	Generalized Lazy Search for Robot Motion Planning: Interleaving Search and Edge Evaluations via Event-based Toggles	Aditya Mandalika, Sanjiban Choudhury, Oren Salzman and Siddhartha Srinivasa	Best Student Paper Award	An Hierarchical Approach to Active Semantic Mapping Using Probabilistic Logic and Information Reward POMDP	Tiago Veiga, Miguel Silva, Rodrigo Ventura and Pedro U. Lima	
.30-15.50			Coffee break			
5.50-16.30	13a: Path Planning	40	1	13b: Transportation Scheduling	40	1
5.50 10.50	Cutting the Size of Compressed Path Databases With Wildcards and Redundant Symbols	Mattia Chiari, Shizhe Zhao, Adi Botea, Alfonso Gerevini, Daniel Harabor, Alessandro Saetti, Matteo Salvetti and Peter J. Stuckey		Approximate Gradient Descent Convergence Dynamics for Adaptive Control on Heterogeneous Networks	Jean Carpentier and Sebastien Blandin	
	Disjoint Splitting for Conflict-Based Search for Multi-Agent Path Finding	Jiaoyang Li, Daniel Harabor, Peter Stuckey, Ariel Felner, Hang Ma and Sven Koenig	Short Paper	Using Bi-Directional Information Exchange to Improve Decentralized Schedule-Driven Traffic Control	Hsu-Chieh Hu and Stephen Smith	
	A Multi-Label A* Algorithm for Multi- Agent Pathfinding	Florian Grenouilleau, Willem-Jan van Hoeve and J. N. Hooker	Short Paper			•
5.40-17.40	14a: Applications III	60	1	14b: Hybrid Planning	60	1
27.70	Exact Methods for Extended Rotating Workforce Scheduling Problems	Lucas Kletzander, Nysret Musliu, Johannes Gärtner, Werner Schafhauser and Thomas Krennwallner		A Logical Semantics for PDDL+	Vitaliy Batusov and Mikhail Soutchanski	
	Solution Approaches for an Automotive Paint Shop Scheduling Problem	Felix Winter, Emir Demirović, Nysret Musliu and Christoph Mrkvicka		Combined time and energy optimal trajectory planning with quadratic drag for mixed discrete-continuous task planning	Ayal Taitler, Ilya loslovich, Per-Olof Gutman and Erez Karpas	Journal
	Personalized Medication and Activity Planning in PDDL+	Fares K. Alaboud and Andrew Coles		Cyber-Physical Planning: Deliberation for Hybrid Systems with a Continuous	Arthur Bit-Monnot, Luca Pulina and Armando Tacchella	