	Monday 13th		Tuesday 14th		Wednesday 15th
8:30-9:00	Registrations	8:30-9:15	Registrations	8:30-9:15	Registrations
9:00-9:15	Welcome address				
9:15 - 10:00	**(CogAI) Invited speaker (Location : Room Magna) - Chair: Xue Li** Ben Falandays *The real AI alignment problem: How to design systems that adaptively coordinate with the world, with each other, and with us*	9:15-10:00	**(CogAI) Invited speaker (Location : Room Magna) - Chair: Xue Li** Mateja Jamnik *How can we make trustworthy AI?*	9:15-10:00	**(ILP) Invited speaker (Location : Room Magna) - Chair: Francesca A. Lisi** Thomas Guyet *"Declarative Sequential Pattern Mining in ASP"*
10:00-11:00	**Joint journal paper presentations (Location : Room Magna) - Chair: Donato Malerba** 10: 00 - Katsumi Inoue, Taisuke Sato *"Differentiable learning of matricized DNFs and its application to Boolean networks"* 10: 30 - Manuel García Piqueras, Jose Hernandez-Orallo *"Heuristic search of optimal machine teaching curricula"*	10:00-11:00	**Joint journal paper presentations (Location : Room Magna) - Chair: Laura Giordano** 10:00 - Ashwin Srinivasan, Aravind Baskar, Tirtharaj Dash, Devanshu Shahf *"Composition of relational features with an application to explaining black-box predictors"* 10:30 - Lun Ai, Johannes Langer, Stephen Muggleton, Ute Schmid *"Explanatory machine learning for sequential human teaching"*	10:00-11:00	**Joint journal paper presentations (Location : Room Magna) - Chair: Fabrizio Riguzzi** 10: 00 - Thais Luca, Aline Paes, Gerson Zaverucha *"Word embeddings-based transfer learning for boosted relational dependency networks"* 10: 30 - Victor Verreet, Jessa Bekker, Luc De Raedt Modeling PU *"Learning using Probabilistic Logic Programming"*
11:00-11:20	Coffee break	11:00-11:20	Coffee break	11:00-11:20	Coffee break
11:20-12:50	**(ILP) Statistical Relational Learning (Location : Room Magna) - Chair: Elena Bellodi** 11:20 - Felix Weitkämper, Dmitriy Ravdin and Ramona Fabry *"Statistical relational structure learning with scaled weight parameters"* 11:50 - Thais Luca, Aline Paes and Gerson Zaverucha *"Select first, transfer later: an approach for choosing proper datasets to statistical relational transfer learning"* 12:20 - Elisabetta Gentili, Alice Bizzarri, Damiano Azzolini, Riccardo Zese and Fabrizio Riguzzi *"Regularization in Probabilistic Inductive Logic Programming"*	11:20-12:40	**(ILP) Explanation and ASP-based approaches (Location : Room Magna) - Chair: Annalisa Appice** 11:20 - Kilian Rueckschloss and Felix Weitkämper *"What Do Counterfactuals Say about the World? Reconstructing Probabilistic Logic Programs from Answers to "What if?" Queries"* 11:50 - Celine Rouveirol, Malik Kazi Aoual, Henry Soldano and Veronique Ventos *"Explaining optimal trajectories"* 12:10 - Damiano Azzolini *"A Constrained Optimization Approach to Set the Parameters of Probabilistic Answer Set Programs"*	11:20-12:40	**(ILP) ASP-based approaches (Location: Room Magna) - Chair: Katsumi Inoue** 11: 20 - Antonio Ielo, Mark Law, Valeria Fionda, Francesco Ricca, Giuseppe De Giacomo and Alessandra Russo *"Towards ILP-based LTLf passive learning"* 11: 50 - Emanuele De Angelis, Maurizio Proietti and Francesca Toni *"Learning Brave Assumption-Based Argumentation Frameworks via ASP"*
11:20-12:40	**(CogAI) Communication and Cognition (Location : Room B) - Chair: Xue Li** 11:20 - Invited Talk by Prof. Nick Chater *"How could we make a social robot? A virtual bargaining approach"* 12:10 - Jye Wong and Cynthia Siew *"Word Association Network of English Words Unique to Singapore English"*	11:20-12:40	**(CogAI) Learning and Reasoning (Location: Room B) - Chair: Xue Li** 11:20 Invited Talk by Prof. Alan Bundy *"Representational change is integral to reasoning"* 12:10 Alexander Philipp Rader and Alessandra Russo *"Active learning in neurosymbolic AI with Embed2Sym"*	11:20-12:40	**(CogAI) Representational Change (Location: Room B) - Chair: Xue Li** 11:20 - Wan Ki Wong, Xue Li, Alan Bundy *"Automating Theory Repair in First Order Logic"* 11:50 - Pak Yin Chan, Xue Li, Alan Bundy *"An overview of using large language models for the symbol grounding task in ABC repair system"* 12:15 - Yiwei Lu, Yuhui Lin, Xue Li, Alan Bundy, Andrew Ireland, Burkhard Schafer *"Logic and Theory Repair in Legal Modification"*
12:50-14:00	Lunch break	12:50-14:00	Lunch break	12:50-14:00	Lunch break
14:00-14:45	**(ILP) Invited speaker (Location : Room Magna) - Chair: Francesca A. Lisi** Ana Ozaki *Extracting Rules from ML models in Angluin's Style*	14:00-14:45	**(AAIP) Invited speaker (Location : Room Magna) - Chair: Ute Schmid** Gust Verbruggen *Semantic programming by example with knowledge graphs and pre-trained language models*	14:00-14:45	**(Recently published) Approaches and Applications of Inductive Programming (Location: Room Magna) - Chair: Cèsar Ferri** 14:00 - Francesca Alessandra Lisi and Gioacchino Sterlicchio *"A Declarative Approach to Contrast Pattern Mining"* 14:20 - Francesca Alessandra Lisi and Gioacchino Sterlicchio *"Mining contrast sequential patterns with ASP"*
14:45-15:10	Coffee break	14:45-15:10	Coffee break	14:45-15:10	Coffee break
15:10-16:40	**(ILP) Neuro-symbolic approaches (Location: Room Magna) - Chair: Riccardo Zese** 15:10 Sota Moriyama, Koji Watanabe and Katsumi Inoue *"GNN based Extraction of Minimal Unsatisfiable Subsets"* 15:40 Daniel Cyrus, James Trewern and Alireza Tamaddoni-Nezhad *"Meta Interpretive Learning from Fractal images"* 16:10 Arne Vermeulen, Robin Manhaeve and Giuseppe Marra *"An Experimental Overview of Neural-Symbolic Systems"*	15:10-16:40	**(ILP) Miscellaneous (Location: Room Magna) - Chair: Riccardo Zese** 15:10 - Takeru Isobe and Katsumi Inoue *"Learning Strategies of Inductive Logic Programming Using Reinforcement Learning"* 15:40 Youssef Mahmoud Youssef and Martin E. Müller *"A Review of Inductive Logic Programming Applications for Robotic Systems"* 16:10 Dany Varghese, Roman Bauer and Alireza Tamaddoni-Nezhad *"Few-shot learning of diagnostic rules for neurodegenerative diseases using Inductive Logic Programming"*	15:10-16:30	**(Recently published) Miscellaneous (Location: Room Magna) - Chair: Elena Bellodi** 15:10 - Laura Giordano and Daniele Theseider Dupre *"An ASP approach for reasoning on neural networks under a finitely many-valued semantics for weighted conditional knowledge bases"* 15: 30 - Laura Giordano, Valentina Gliozzi and Daniele Theseider Dupre *"A conditional, a fuzzy and a probabilistic interpretation of self-organizing maps"* 15:50 - Hasra Dodampegama and Mohan Sridharan *"Knowledge-based Reasoning and Learning under Partial Observability in Ad Hoc Teamwork"* 16:10 - Giuseppina Andresini, Annalisa Appice and Donato Malerba *"SILVIA: An eXplainable Framework to Map Bark Beetle Infestation in Sentinel-2 Images"*
15:10-16:40	**(CogAI) Communication and Cognition (Location: Room B) - Chair: Thomas Wong** 15:10 - Alexander Kilpatrick *"Sound Symbolism in Automatic Emotion Recognition and Sentiment Analysis"* 15:40 - Abdul Rehman, Jian Jun Zhang and Xiaosong Yang *"Intonation Template Matching for Syllable-Level Prosody Encoding"* 16:10 - Avashna Govender and Simon King *"Cognitive load of Modern Text-To-Speech Systems"*	15:10-16:40	**(CogAI) Cognitive AI (Location: Room Magna) - Chair: Pak Yin Chan** 15: 10 Invited Talk by Antonio Lieto *"The Cognitive Paradigm in the artificial Intelligence Research"* 16: 10 Mohan Sridharan *"A Cognitive Architecture for Integrated Robot Systems"*	16:30-17:30	**Community Meeting & Closing Remarks**
16:40-17:00	**(Recently published) Neuro-symbolic approaches (Location: Room Magna) - Chair: Riccardo Zese** 16:40 - Daniel Cunnington, Mark Law, Jorge Lobo and Alessandra Russo *"Neuro-Symbolic Learning of Answer Set Programs from Raw Data"*	16:40-17:40	**Joint general track (Location: Room Magna) - Chair: Vincenzo Pasquadibisceglie** 16:40 -Nikolai-Iraj Sanamrad, Carlos Monserrat Aranda and María José Ramírez Quintana *"A framework for Modelling Human Tasks using Process Mining and Event Calculus"* 17:10 - Daniela Amendola, Andrea Basile, Giovanna Castellano, Gennaro Vessio and Gianluca Zaza *"From Voxels to Insights: Investigating the Effectiveness and Transparency of Graph Neural Networks in Brain Tumor Segmentation"*		
17:00-18:00	**Joint general track (Location: Room Magna) - Chair: Giuseppina Andresini** 17:00 - Boshko Koloski, Nada Lavrač, Senja Pollak and Blaz Skrlj *"Latent Graph Powered Semi-Supervised Learning: Experiments on Biomedical Tabular Data"* 17:30 - Christian Riefolo, Nicola Fanizzi and Claudia d'Amato *"Simple and Interpretable Probabilistic Classifiers for Knowledge Graphs"*	17:40-18:10	**Joint journal paper presentations (Location : Room Magna) - Chair: Vincenzo Pasquadibisceglie** 17:40 - Natarajan Sriraam, Yan Siwen, Prasad Tadepalli, Roni Khardon *"Explainable Models via Compression of Tree Ensembles"*		
18:00-19:00	**Welcome reception**	19:00-20:00	**Tour of the old town of Bari**		
		20:00	**Social dinner (included ILP awards)**		