
CONTENTS

ARTICLES

Editorial	609
<i>Artur d'Avila Garcez and Tarek R. Besold</i>	
Neural-symbolic Computing: An Effective Methodology for Principled Integration of Machine Learning and Reasoning	611
<i>Artur d'Avila Garcez, Marco Gori, Luis C. Lamb, Luciano Serafini, Michael Spranger and Son N. Tran</i>	
Semi-supervised Learning using Differentiable Reasoning	633
<i>Emile van Krieken, Erman Acar and Frank van Harmelen</i>	
High-order Networks that Learn to Satisfy Logic Constraints	653
<i>Gadi Pinkas and Shimon Cohen</i>	
Learning Representation of Relational Dynamics with Delays and Refining with Prior Knowledge	695
<i>Yin Jun Phua, Tony Ribeiro and Katsumi Inoue</i>	
Compositionality for Recursive Neural Networks	709
<i>Martha Lewis</i>	
Towards Fuzzy Neural Conceptors	725
<i>Till Mossakowski, Răzvan Diaconescu and Martin Glauer</i>	

Modelling Identity Rules with Neural Networks745
Tillman Weyde and Radha Manisha Koppart