SNAIL

SEMINAR ON ARTIFICIAL INTELLIGENCE AND LOGICS

dPASP: Programming with Logic and Neural Networks

Renato Lui Geh.
Renato received his BSc and MSc in Computer Science at the University of São Paulo and is currently an incoming PhD student at the University of California, Los Angeles (UCLA).

dPASP is a new declarative programming language based around probabilistic-logic programming. The idea behind dPASP is to provide an intuitive and flexible language for neurosymbolic learning. In a nutshell, by combining the high-level reasoning of probabilistic and logic programming, with the low-level perception of neural networks, dPASP offers a powerful hybrid toolbox for inference and learning in a wide variety of possible semantics, enabling the presence of contradictions and imprecision within the knowledge base. In this talk, we provide a high-level introduction to dPASP, showcasing features of the dPASP system. We then show the current challenges and possible ideas for further research in the field.

Auditório Imre Simon - CCSL
14:00

Válido como AAC

01
Set