

**Tesi disponibili**

# Inferenza per LPAD

---

- **Inferenza “lifted”**: applicare le tecniche di inferenza per reti bayesiane (variable elimination e belief propagation) a modelli del primo ordine [Sin08,Zha96,Poo03a]

# Bibliografia

---

- [Ven04] J. Vennekens, S. Verbaeten, M. Bruynooghe: Logic Programs with Annotated Disjunctions. ICLP, 2004
- [Rig07] F. Riguzzi. A top down interpreter for LPAD and CP-logic. AI\*IA, 2007
- [Jaa96] T. Jaakkola, M. I. Jordan: Computing upper and lower bounds on likelihoods in intractable networks. UAI, 1996
- [Poo03a] D. Poole: First-order probabilistic inference. IJCAI, 2003
- [Sin08] P. Singla, P. Domingos: Lifted First-Order Belief Propagation. AAAI, 2008
- [Zha96] N. L. Zhang, D. Poole: Exploiting Causal Independence in Bayesian Network Inference. J. Artif. Intell. Res. 5, 1996
- [DeR07] L. De Raedt, A. Kimmig, H. Toivonen: ProbLog: A Probabilistic Prolog and Its Application in Link Discovery. IJCAI, 2007
- [Kim08] A. Kimmig, V. Santos Costa, R. Rocha, B. Demoen, L. De Raedt: On the Efficient Execution of ProbLog Programs. ICLP, 2008

# Semantic Web probabilistico

---

- **Apprendimento di parametri per ontologie probabilistiche**

Riguzzi F., Lamma E., Bellodi E., Zese R.:

“Epistemic and Statistical Probabilistic Ontologies”.

In: Uncertainty Reasoning for the Semantic Web Workshop. pp. 3-14.

No.900 in CEUR Workshop Proceedings, Sun SITE Central Europe (2012)

Riguzzi F., Lamma E., Bellodi E., Zese R.:

“Semantics and Inference for Probabilistic Ontologies”.

In: Popularize Artificial Intelligence Workshop. pp. 41-46. No.860 in CEUR

Workshop Proceedings, Sun SITE Central Europe (2012)