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# Domain–Specific Languages in Prologfor Declarative Expert Knowledge in Rules and Ontologies

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PII: S1477-8424(16)30180-4
DOI: 10.1016/j.cl.2017.06.006
Reference: COMLAN 265

To appear in: *Computer Languages, Systems & Structures*

Received date: 27 November 2016
Revised date: 25 June 2017
Accepted date: 26 June 2017

Please cite this article as: Dietmar Seipel, Falco Nogatz, Salvador Abreu, Domain–Specific Languages in Prologfor Declarative Expert Knowledge in Rules and Ontologies, *Computer Languages, Systems & Structures* (2017), doi: 10.1016/j.cl.2017.06.006

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**Highlights**

- Domain-specific languages and deductive databases for declarative rule bases
- Design and Implementation of DSLs for expert rules as an internal and as an external DSL
- Context-free grammars and quasi-quotations in Prolog
- Analysis and evaluation of declarative expert rules
- Annotation of rules and findings by meta-information (e.g. confidence)
- Provenance information in ontologies

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