

Growing Datalog (Abstract)

Wim Martens¹

¹*University of Bayreuth, Universitätsstraße 30, 95447 Bayreuth, Germany*

The talk will be centered around the question how we can go from query languages to declarative programming languages, which is a huge challenge. Datalog is an excellent starting point for such a task, because it already has recursion and a simple and clean semantics. In fact, the language Rel, which is being developed for this purpose, is heavily inspired by Datalog, and extends it, among other features, with first-order queries in rule bodies.

I will explain some of the design principles behind Rel and will give an overview of the language features that were added to bring it to the point where it can cope with general-purpose programming tasks.

Declaration on Generative AI

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Datalog 2.0 2026, September 7, 2026, Klagenfurt, Austria

✉ wim.martens@uni-bayreuth.de (W. Martens)



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