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Title: « Agile Language Engineering »

Abstract:
Modern software-intensive systems are typically engineered my multiple stakeholders who bring their expertise on specific aspects of the systems. More and more organizations are adopting Domain-Specific Languages (DSLs) to allow domain experts to express solutions directly in terms of relevant domain concepts. This raises new challenges regarding the design, evolution, and integration of multiple DSLs, both from the language designers and language users points of view.

The joint Inria-CWI ALE team (Agile Language Engineering) ,brings together Software Language Engineering researchers aiming to provide more agility to both language designers and language users. First, we aim to help language designers to leverage previous DSL implementation efforts by reusing and combining existing language modules. Second, we aim to provide more flexibility to language users by ensuring interoperability between different DSLs and offering live feedback about how the model or program behaves while it is being edited (aka. live programming/modeling). In this talk, we introduce the overall objectives of the team, highlight the complementarity of its members, and report on recent events and early results.