

Self description by Anneke Kleppe

I am a researcher that is interested in software languages. I have been working in industry since my Masters in 1988 until January of this year (2006). From 1995 till 2005 I had my own company that specialized in training courses and consultancy in the area of modeling.

In industry I have been in touch with several languages (next to the obvious programming languages):

- TTCN: created a pre-version, that was OK to write a compiler.
- Lotos: worked in project that created an IDE for working with Lotos.
- OMT: worked in several projects where we used the language and evaluated its use.
- UML: involved in creating the initial (1.0) version
- OCL, version 1.0: involved in its conception and deliverance in 1996
- OCL, version 2.0: created the UML-based semantics that are part of the standard

Furthermore, I have created Alan, a software language in which concepts from UML, OCL and design patterns are combined in order to create a software language that is truly at a more abstract level than current day programming languages.

I have also created TAAL, together with Arend Rensink, a language for experimenting with language design using graphs and graph transformations. Whereas Alan is a sophisticated language at a high level of abstraction, TAAL is a low level language which intuitively looks very much like Java. We have build a language definition for TAAL that encompasses concrete syntax, abstract syntax and semantics.

Currently, I am working at the University of Twente. I intend to write my PhD thesis before the end of 2008. The project I am working in is called Grasland. The goal of this project is to generalize the ideas we created in the TAAL project in order to build a formalism for defining languages.