

Foreword

The area of web grammars and graph transformations was created about 40 years ago. 10 years later, the algebraic approach of graph grammars was well established as a concrete theory of graph languages. This was the time when also Ulrike Prange was born. Both of them had a smooth childhood for a period of about 20 years.

This smooth period was continued by a highly active one: Computing by graph transformation was adopted as an EC-child leading to the grown-up international conference on graph transformation ICGT, when Ulrike started to study computer science and mathematics. In her master's thesis, she successfully transformed the LS-baby "adhesive category" into the TFS-child "adhesive HLR category", which was educated in functional behavior.

Meanwhile she transformed herself from Ulrike Prange to Ulrike Golas.

The final step is now done in her PhD thesis on two levels: On the abstract level, from adhesive HLR systems to \mathcal{M} -adhesive systems with general application conditions, and on the concrete level as a model transformation between different visual languages like statecharts and Petri nets.

Altogether, she has successfully established a bidirectional transformation between categorical and graph transformation techniques as well as between mathematics and computer science concerning her professional degrees. This is an excellent basis for a promising scientific career.

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