Colloquium

Within the seminar of the Research Focus, the Ph.D. programme "Specification of discrete processes and systems of processes by operational models and logics" presents a talk by

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about

"Language Equations and Computation"

Abstract: Systems of equations, in which variables assume values of formal languages over a finite alphabet, are an natural fundamental mathematical object in computer science. The interest in their properties is not only theoretical, since they can be used as an abstract representation for questions from different areas. Recent studies of language equations reveal noteworthy connections to the theory of computation: several classes of equations have been found to be equivalent to important computational models, such as recursive functions, while basic decision problems turn out to be complete for various complexity classes. I will review these results in my talk and discuss some open problems.

Date:	01.11.2005
Place and time:	Hans-Grundig-Str., Room: GRU 151, 1.15 pm

All interested persons are invited to attend!

Prof. Dr.-Ing. habil. Heiko Vogler