

## **Dr. Solomon Passy and Combinatory Dynamic Logic**

Dr. Solomon Passy and Prof. Tinko Tinchev co-developed the Combinatory Dynamic Logic with nominals. This is one of the most powerful logical languages for which there exists an algorithm deciding the validity of formulae. For example, this logic can be used to formulate all problems that can be formulated using the linear temporal logic. In addition, it can be used as a logic of knowledge in order to check the correctness of communication protocols.

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