

## INSTITUTSSEMINAR

On Tuesday, May 05, 2026, at 3:00 PM, in room Z 2073

# Hermann Wilhelm

will give a talk on:

“DNNF-formula connections, an algorithm for calculating binary projections and summary”

### Abstract:

We study properties of and relationships between different classes of DNNF formulas and their connections to DNNF circuits. Furthermore, we reconsider the following problem: given a FO formula  $\phi$  and a structure  $B$ , represent the set of solutions  $\phi^{\hat{B}}$  as a DNNF. We present an example illustrating how to proceed given  $\phi$  and  $B$ , and discuss results for formula classes between conjunctive queries and FO.

All interested parties are cordially invited.