

Gabriel Sandu (Helsinki), *A logical framework for expressing functional, counterfactual, probabilistic, and causal dependencies*

I will present a logical framework (causal teams) which allows one to express various kinds of dependencies including causal dependencies in the Pearl-Halpern-Woodward style. This framework nicely illustrates the distinction between “accidental correlations” (which may “vanish”) and “causal relationships” which are “invariant under interventions”. I will also discuss some differences between the “philosophical” approaches to causation (Lewis-Stalnaker) and the approaches coming from the “special sciences”.