



Der Sonderforschungsbereich 991 "Die Struktur von Repräsentationen in Sprache, Kognition und Wissenschaft" lädt herzlich ein zum Vortrag
von

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12:30 – 14:00 Uhr

22.01. HS 2C

How to do (certain) things with frames

We present a revised formal definition of frames, distinguishing the topological level, the frame structure level, and the level of ontologically specified frames. Frames are translated into directed graphs and into first-order logical languages. We define canonical satisfaction formulae and a semantic notion of subsumption. At the center of the formalization is a proper formal definition of the ontology the frames relate to. For the representation of events we introduce time in the ontology, admitting for reference to time and for tensed attributes. As an innovation, we introduce "comparators". Comparators are two-place attributes that compare individuals (first-order comparators) or frames and subframes (second-order comparators). Comparators can be used to model negation, reference and truth in frame theory. Applied to tensed ontologies, we use first-order comparators for modeling various aspectual verb classes, including state verbs and verbs of change.

Studierende und andere Interessierte sind herzlich willkommen.