



Trier Center for
Language and
Communication
PATTERNS

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Gastvortrag:

**„Marrying up symbolic reasoning and LLMs:
the promise of hybrid systems“**

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The advances and success of Large Language Models (LLMs) have revolutionised many fields of NLP. Massive deep models are arguably performing similar to humans. However, a closer look at the performance and inner workings of these models reveals their generalisation difficulties on unseen data, their inability to perform human-level reasoning and

their black-box nature that makes it hard to improve them in the right way. On the other hand, traditional rule-based systems can handle many of these challenges in a precise and explainable way. These findings have opened the way for more hybrid approaches, combining the strengths of symbolic reasoning and LLMs. In this talk, I will present one such approach

implemented for the task of Natural Language Inference (NLI) and show how the two worlds can be married up to a harmonical combination. I will also present some findings on the inner workings of LLMs, which additionally confirm the necessity for a hybrid approach.

Kostenfrei & ohne vorherige Anmeldung!

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