



# Natural Language and Knowledge Representation

*The aim of this track is to bring researchers from the knowledge representation (KR) and the natural language processing (NLP) communities together to discuss common “representational” and “reasoning” issues. In addition to the two main challenging concerns, namely, expressivity and fast reasoning, representations should attempt to be transparent and friendly. The NLP community has made some progress in terms of processing and handling ambiguity and the KR community has realized that a lot of knowledge is already “coded” in NL. Researchers on both sides consider benefiting from each other’s progress and taking on issues that were left to be solved by the “other” community. The accepted papers and posters in this track discuss issues relating to the semantic web, semantic annotation, NL semantics and NLP-based techniques, the bottleneck KR problem, ontologies and NL interpretation, the use of KR and knowledge bases to resolve NL ambiguity, the use of NL to “disambiguate and strengthen” single observations for learning tasks, the use of NL to support constructing DB/ontology query interface, the possibility of using (controlled) NL as a KR, underspecified representations and reasoning, mapping “syntax and semantics” to a KR, and the disadvantages of using KR that is remote from NL semantics.*