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# Neural Symbolic Computing with Knowledge Graph

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**Abstract** The combination of old-fashioned symbolic methods with artificial neural networks has a long-standing history, normally referred as so-called neural-symbolic methods. In this talk, we provide a structured overview of new trends of neural-symbolic methods from perspectives of new developments of the knowledge graphs and deep neural networks. The topic covers several subfields including embedding knowledge graphs with neural networks, pretraining large-scale knowledge graphs, injecting knowledge graphs into deep neural networks, etc.

**Bio** Huajun Chen is a full professor of college of computer science, Zhejiang University. His major research interest includes the knowledge graph, natural language processing and big data systems. He serves as the editor-in-chief of Elsevier Big Data Research Journal, the general chair of CCKS2020 (China Conference on Knowledge Graph and Semantic Computing). He also takes a lead in OpenKG, an open knowledge graph initiative launched by Chinese knowledge graph community since 2015.