Linguistic Networks in Digital and Computational Humanities

Keynote speech Alexander Mehler

Friday May 24, 2019, 17:15 –18:30, Bischofsvilla

In recent years, the generation of linguistic networks from **text corpora** has attracted much attention in the historical sciences, social sciences, linguistics and philologies. These works aim, for example, to model social relations as a function of linguistic interactions or to discover thematic trends in larger communities.

The presentation takes a critical look at this research from the perspective of a juxtaposition of computer-based analysis on the one hand and sign-theoretical foundations on the other. To this end, it presents a longer empirical study on so-called topic networks. This is done as a preliminary step for an integrated model of intra- and intertextual networking, which can serve as a basis for the generation of linguistic networks in the areas under consideration.

Alexander Mehler is professor of Computational Humanities / Text-technology at Goethe University Frankfurt where he heads the Text Technology Lab (TTLab). He is a founding member of the German Society for Network Research (DGNet) and a member of the executive committee of the Center for Digital Research in the Humanities, Social Sciences and Education Sciences (CEDIFOR). Alexander Mehler's research interests include the quantitative analysis, simulative synthesis and formal modeling of textual units in spoken and written communication. To this end, he investigates linguistic networks based on contemporary and historical languages (using models of language evolution). A current research interest of Alexander Mehler concerns 4D text technologies based on Virtual Reality (VR), Augmented Reality (AR) and Augmented Virtuality (AV).

Vortrag im Rahmen der diesjährigen **POLNET Summer School** des Lehrstuhls von Prof. Volker Schneider, **Politik- und Verwaltungswissenschaft**

POLNET +