

**Gastvortrag im Rahmen der Ringvorlesung
„Digitale und vernetzte Arbeitswelten“
am 31.05.2021**

Beginn: 09:15 Uhr, Ort: Zoom-Meeting

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"Bias in Human-in-the-loop Artificial Intelligence"

Paid micro-task crowdsourcing has gained popularity also thanks to the rise of AI because of the convenient way to generate large-scale manually annotated corpora and because of the possibility to create human-in-the-loop systems. However, when using crowdsourcing platforms for data gathering purposes, human factors need to be taken into account as humans now become part of (and are not just users of) the system.

In this talk I will discuss our recent research in the area of micro-task crowdsourcing with a focus on understanding crowd worker behaviors and their implications on the quality of the collected data and the bias in it. I will first discuss open challenges in the crowdsourcing ecosystem including issues caused by adversarial approaches that may disrupt the crowdsourcing model as we know it. I will then discuss how human bias is reflected in the data which is being collected by means of crowdsourcing. Finally, I will present our work making use of fine-grained behavioral logs.

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