



## Mathematics and CS Seminar

# Learning beyond Label Annotations

**Viktoriia Sharmanska (Universtiy of Sussex)**

**Host: Christoph Lampert**

Can we incorporate annotation disagreements of the crowdsourced data collection process? Can we make use of discarded features from filter/wrapper feature selection methods? Can we build an image classifier that can incorporate knowledge from video data? Can we unify all the previous questions in a single joint learning framework? Yes, we can, the framework is called a Learning using Privileged Information (LUPI). LUPI provides a mechanism to incorporate additional information that is only available at training time, annotation disagreements--discarded features--video dataset, into the learning process of a classifier. In this talk, I will summarize our contributions to LUPI paradigm including a Bayesian and non-Bayesian perspective of the LUPI and its variety of applications in computer vision and feature selection.

**Thursday, January 25, 2018 10:00am - 11:00am**

IST Austria Campus Mondi Seminar Room 3, Central Building



This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our webpage: <https://ist.ac.at/en/campus/how-to-get-here/> The IST Shuttle bus is marked IST Shuttle (#142) and has the Institute Logo printed on the side.