## Mathematics and CS Seminar

# Ethical machine learning

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Machine learning technologies have permeated everyday life and it is common nowadays that an automated system makes decisions for/about us, for example, perhaps deciding who is going to get a Raiffeisen bank loan. Addressing ethical and legal aspects posed by those technologies constitutes a pressing problem. The long-term goal of our research group is to develop a machine learning framework with plug-and-play ethical and legal constraints that is able to handle fairness, confidentiality, and transparency constraints, their combinations, and also new constraints that might be stipulated in the future. In this talk, I will be mostly discussing background research in fairness and transparency, before presenting our own work in unifying several notions of fairness.

### Thursday, January 25, 2018 09:00am - 10:00am
Mondi Seminar Room 3, Central Building

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