



Berliner Zentrum für
MASCHINELLES LERNEN

BZML Meeting on October 22nd, 2019

Harnack-Haus, WARBURG Saal, Ihnestr. 16-20 - 14195 Berlin

<https://www.harnackhaus-berlin.mpg.de>

Preliminary Programme

Timing	Topic	Speaker	Title
09:30 – 09:45	Introduction	Klaus-R. Müller	
09:45 – 10:45	Core - ML	Manfred Opper	Analysis of message passing algorithms using random matrix theory
		Grégoire Montavon	Explaining Classifications, Anomalies, Clusters, and more
		Gitta Kutyniok	Rate-Distortion Explanation (RDE): A Theoretical Framework for Interpreting Neural Network Decisions
10:45 – 11:15	<i>Coffee Break</i>		
11:15 – 11:30	Mobile Comm	Guiseppe Caire	Prediction of the Wireless Pathloss Function via Deep Learning and Applications Wireless Networks Optimization
11:30 – 12:00	Biology	Uwe Ohler Anja Hennemuth	
12:00 – 12:30	Poster Session		
12:30 – 14:00	<i>Lunch Break</i>		
14:00 – 14:30	Digital Humanities	Jürgen Renn	Machine Learning for the Humanities – First Steps
14:30 – 15:00	Joint Projects	Wojciech Samek	
15:00 – 15:30	<i>Coffee Break</i>		
15:30 – 16:30	Joint Projects	Christof Schütte	Learning social dynamics
		Frederick Klauschen	Machine Learning support in cancer diagnostics
16:30 – 17:30	PI meeting		