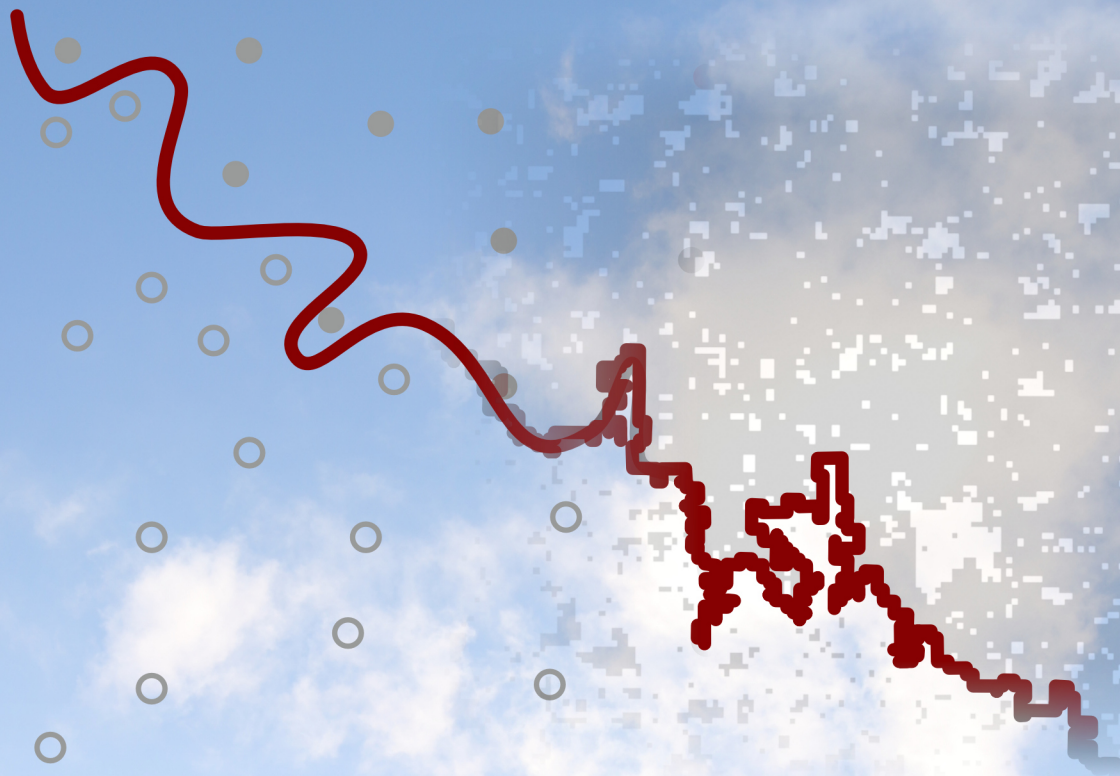Begegnungszone

Workshop on Statistical Physics and Machine Learning

September 18-21, 2023 in Leipzig

Organizers
Martin Weigel (TU Chemnitz)
Johannes Zierenberg (MPIDS)

Venue
Seminaris Hotel Leipzig
Hans-Driesch-Straße 27
04179 Leipzig

Application
The workshop will foster intensive interaction between a limited number of participants. Applications must be submitted before May 15, 2023 in order to be considered by the Selection Committee.

Confirmed Speakers

Jeff Byers	Naval Research Laboratory, U.S.A.
Marylou Gabrié	École Polytechnique, France
Sebastian Goldt	SISSA, Italy
Estelle Inack	Perimeter Institute, Canada
Jonathan Kadmon	Hebrew University, Israel
Stefan Karpitschka	Universität Konstanz, Germany
Miriam Klopotek	Universität Stuttgart, Germany
Beatriz Seoane	U Complutense Madrid, Spain
Lei Wang	CAS, China
Marvin Wright	Universität Bremen, Germany
Riccardo Zecchina	Bocconi University, Italy

Abstract: The history of Machine Learning is tied to theories and models from Statistical Physics. However, Machine Learning evolved into an independent field with its own approaches. This generates the unique situation that novel Machine Learning techniques can be applied to solve problems in Statistical Physics, while at the same time novel developments from Statistical Physics open opportunities to explain algorithms from Machine Learning. This workshop provides a platform for early career and senior researchers from applied Machine Learning and Statistical Physics to discuss the state of the art and future directions.

JOACHIM HERZ STIFTUNG

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MAX-PLANCK-GESELLSCHAFT

Registration:
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