

Bio Davide Ghio

I am a Postdoctoral Research Associate at Aston University (UK). My research focuses on analysing computer science problems using a statistical physics perspective, simplifying complex systems by studying tractable models that still capture the essential phenomenology.

I employ tools from non-equilibrium statistical physics, generative models, disordered systems, and statistical inference. I have applied these methods to diverse problems including high-dimensional learning, spin glass sampling, and dynamical system inference on random graphs.

I received my PhD from EPFL under the supervision of Florent Krzakala. I hold a Bachelor's degree in Physics and a Master's degree in Theoretical Physics, both from Sapienza University of Rome.