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AI for Simulation: Transforming Traditional HPC with Graphcore IPUs

Thursday 28 September 2023 15:00 (2 hours)

More and more researchers working in fields such as drug discovery, weather forecasting, climate modelling and high-energy particle physics are looking towards AI-based approaches to enhance their applications, both in terms of accuracy and time-to-result. Furthermore, new approaches such as PINNs are revolutionising how neural networks can learn to emulate physical systems governed by well-defined yet complex equations. In this workshop we will take a look at some examples and explore how Graphcore's IPU technology can accelerate such workflows on the cusp between HPC and AI.

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