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Keynote 2: Accelerate Insights with AI and HPC combined

Monday, 30 November 2020 12:15 (1 hour)

We have seen several transformational waves in computing over the last few decades, and AI is a key one. It has significant impact in many research and industrial areas enabling users to get actionable insight from data.

Insights from numerical simulation and modeling - commonly labeled as "HPC" was also one of the important developments in the last two decades – and is an area which has overlap with AI: Key questions are: Can you use AI methods to augment the simulation and modeling applications? – how can you run AI applications on HPC Systems efficiently?

In this presentation we will address those questions and give an overview of respective technology, including hardware platforms & software stacks with a special focus on how to enable successful development of solutions. This will also be illustrated with examples of use cases.

Student?

Supervisor name

Supervisor email

Primary author: GILLICH, Stephan (Intel)

Presenter: GILLICH, Stephan (Intel)

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