CASUS
CENTER FOR ADVANCED SYSTEMS UNDERSTANDING

2. CASUS Annual Workshop

Fusing Artificial Intelligence & Simulation

Exa-everything: Scalable HPC and AI for understanding complex systems

Michael Bussmann, Scientific head of CASUS

Date: 5 October 2020

Time: 5 p.m. CET

Location: livestream link follows

Abstract:
Data is one of the drivers of scientific understanding. Yet, we are facing considerable difficulties in coping with the massive amount of high quality data in nearly all disciplines by now. Fusing techniques from High Performance Computing and Artificial Intelleigence can help us extract the knowledge that truly matters before drowning in data.

Biography:
Michael Bussmann is scientifc lead of the Center for Advanced Systems Understanding. Michael Bussmann's work focuses on Matter under Extreme Conditions, a research field that studies matter under the actually not so uncommon conditions of extreme pressures, extreme temperatures and extreme electromagnetic fields. In CASUS he fosters the cross-disciplinary development of methods for data-intensive science helping to understand complex, real world systems, from our own Earth to cosmic phenomena, from living organisms to autonomous digital systems.