

DiSCourse Seminar

The Digital Science Center and the Research Area Scientific Computing would like to invite you to the following presentation:

Alexander Ostermann
University of Innsbruck

Scientific Computing at the University of Innsbruck

Theory, experiment, simulation and data-based analysis are the classical pillars of modern science. Computational simulation is a multidisciplinary field where computer science and mathematics meet and strongly interact with the domain sciences. In order to promote this field, the University of Innsbruck established the Research Area Scientific Computing more than a decade ago. Fruitful interdisciplinary research is promoted through the exchange of knowledge and information, the sharing of resources, the coordination of funding for the maintenance and development of the necessary infrastructure, and the improvement of science-oriented teaching.

In my presentation, I will introduce the research area and show how it is integrated into the Austrian and European HPC landscape. I will discuss my motivation for working in this field and address the upcoming challenges and opportunities for the university. These include the first coupling of a quantum computer with traditional supercomputers and the significantly increased availability of GPU nodes within the new framework of the Austrian Scientific Cluster.

About the speaker

[Alexander Ostermann](#) is head of the research area scientific computing and dean of the faculty of mathematics, computer science and physics at the University of Innsbruck. His scientific work as a professor of mathematics focuses on the efficient numerical solution of partial differential equations. In his scientific activities he has always promoted interdisciplinary work and the bridging of traditional boundaries.

Date, Time, Place:

Friday, 17 November 2023, 12:00 (CET), hybrid

Participants are invited to join the event at the Digital Science Center, Innrain 15, Open Space Area (1st floor) *or* online via [Big Blue Button](#).