Introductory OpenFOAM Course + Selected Topics (online)

Dienstag, 23. April 2024 bis Mittwoch, 24. April 2024 | 09:30 Uhr bis 15:00 Uhr

online

OpenFOAM(R) is an open-source package for simulation of fluid flow and heat transfer problems in engineering, nature, biological and astrophysical systems. As a joint effort of bwHPC-S5 and NHR@KIT, the Scientific Computing Center (SCC) is hosting an introductory level course on the parallel use of OpenFOAM software for (current and future) users of the bwUniCluster (bwForClusters) or HoreKa supercomputers. The course will be held online April 23, 2024 from 9:30 to 15:00 and on April 24, 2024 from 9:30 to 14:00 (in English, online only). The course covers topics like using modules for setting up the environment, some linux commands, submitting parallel jobs or setting up harddisk space for the computations as well as several OpenFOAM tutorials. The course is organized by the Competence Center for Engineering (at SCC, KIT and HS Esslingen) and the SimDataLab Engineering in Energy and Mobility at the SCC, KIT. Participants are expected to already have an user-account on one of the above two SCC supercomputers or one of the bwFORClusters. If you just obtained a new account - please, immediately after the first login complete the required survey, otherwise your account may be blocked after two weeks. Please, plan several days (3 or 4) for obtaining an account (you should set up a VPN and a 2-way authentication before the course). HoreKa users should take into account that in the week from 15.04 to 19.04 this Machine is not accessible due to maintenance. The course will take place virtually and participants will get per Email the link 1-2 days before the course together with the course materials. No course fees apply. The number of participants is restricted to 40. Please login exclusively with your official University-account！！！Registrations with accounts from any private email providers (e.g. googlemail, yahoo etc.) are not welcome and will be removed without any further notification.

Kartenreservierung: https://indico.scc.kit.edu/event/4035/registrations/

Veranstalter:
KIT, Scientific Computing Center (SCC)

Weitere Informationen: https://indico.scc.kit.edu/event/4035/