Welcome to the PDC Business Newsflash!

The newsflashes are issued in the PDC newsletters or via the PDC business email list in accordance with the frequency of PDC business events. Here you will find short articles about industrial collaborations with PDC and about business events relevant for high performance computing (HPC), along with overviews of important developments and trends in relation to HPC for small to medium-sized enterprises (SMEs) and large industries all around the world.

Upcoming Calls and Events

HPC Europa3
Call for Applications

Next cut-off dates (tentative):
Call #11 - 20 February 2020 at 23:59
Call #12 - 14 May 2020 at 23:59
Call #13 - 17 September 2020 at 23:59
Call #14 - 19 November 2020 at 23:59

Preparatory Access Type-D Calls
Next cut-off dates:
2 March 2020 – 11:00 AM CEST
2 June 2020 – 11:00 AM CEST

PRACE DECI 16 Call
opened on 16 December 2019

Project Access Call 21
& SHAPE 11th Call
Provisional plan dates:
Opening: 3 March 2020
Closing: 28 April 2020 – 10:00 AM CEST
Allocation period: 1 Oct 2020 to 30 Sept 2021
PDC Industry Day 2019

On the 19th of September, PDC held its second PDC Industry Day, which has now become an annual event for PDC. This year’s event was a great success with over 30 participants from 12 companies that represented large industries, small and medium-sized enterprises (SMEs) and independent software vendors (ISVs). These were Scania, Sweco, Tyréns, ABB, Briggs Automotive Company (UK), Airinnova, EDRMedeso, ESI, Icarus Digital Math, Volupe, Berotec and Neptech.

The PDC director, Erwin Laure, opened the day and discussed current and future developments in high-performance computing (HPC) towards exascale. The presentations at the event were about the use of HPC in engineering, covering a broad industrial research spectrum including aircraft design, speed of embankments for high-speed railway, simulation of race supercars, large track design, hydrodynamic simulations in dam safety assessments and more.

The invited keynote speakers were Greg Cartland-Glover from UKRI STFC - Briggs Automotive Company and Mattias Chevalier from Scania. Mattias discussed using Beskow to simulate heat transfer in Scania trucks (rather than performing a large number of physical experiments) and thereby saving substantially on development costs. Greg discussed a useful PRACE SHAPE project UKRI STFC undertook together with Briggs Automotive on the Scottish supercomputer Archer at EPCC. The third PDC Industry Day is planned for September 2020. To attend it, and similar PDC events, please check: https://www.pdc.kth.se/about/events for details.
FocusCoE: Very Successful European HPC Training Stakeholder Workshop

On the 8th of October 2019, the Horizon 2020 project FocusCoE, in collaboration with the European Commission, ran a European HPC Training Stakeholder Workshop. The purpose was to gather experts and stakeholders to define the high performance computing (HPC) training requirements for different domains and target audiences across academia and industry, and to examine how those requirements may be met by existing or new European and national programmes on HPC education and training. The workshop attracted 32 participants from institutions in 14 European countries, who represented the interests of different stakeholders including HPC users and developers, along with both academic and business education/training providers. Over three thematic sessions (which focused on different research communities and career progression), the participants and panellists discussed various training methodologies (like face-to-face and online learning), initiatives (such as mobility and certification programmes) and best practices (for example, engagement with small to medium-sized enterprises (SMEs) and integration into university programmes) to enhance awareness of, and the productive adoption of, HPC technologies in the advent of European exascale capability being realised via the EuroHPC Joint Undertaking.

The FocusCoE project aims to create a platform, the EU HPC CoE General Assembly, that enables all HPC Centres of Excellence (CoEs) to collectively define an overriding strategy and collaborative implementation for interactions with and contributions to the EU HPC Ecosystem. It supports the HPC CoEs to achieve enhanced interaction with industry, and SMEs in particular, through concerted outreach and business development actions. FocusCoE also instigates concerted action on training by and for the complete set of HPC CoEs: providing a consolidating vehicle for the user training offered by the CoEs and PRACE, as well as providing relevant training for the CoEs (for example, on sustainable business development).

FocusCoE promotes and coordinates the capabilities of, and services offered by, the HPC CoEs and the development of the EU HPC CoE brand, thus raising awareness with stakeholders and both academic and industrial users.
Need help with your HPC research?
Contact business-unit@pdc.kth.se