PDC Center for High Performance Computing

Business Unit Newsflash

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

Infrastructure on High Performance Computing

Pan-European Research

HPC Europa3

HPC Europa3 Call for Applications

Next cut-off dates:

Call #7 - 21 February 2019 at 23:59

Call #8 - 14 May 2019 at 23:59

PRACE

PRACE Preparatory Access Type-D

Next cut-off date:

1 March 2019 – 11:00 AM CEST

PRACE SHAPE
SME HPC Adoption Programme in Europe

PRACE 9th SHAPE call

is expected to be open in March 2019

First HPCE3 Workshop on Automotive Simulation for SMEs and Industry was a Great Success

This year the HPC-Europa3 project organized the first HPC-Europa workshop on high performance computing (HPC) for small to medium-sized enterprises (SMEs) and also larger industrial concerns. The "Simulation for Automotive Technologies with High Performance Computers (HPC)" workshop took place on the 26th and 27th of November 2018 in Stuttgart, Germany. The goals of the workshop were to provide a face-to-face communication platform for SMEs to share their experiences of HPC usage for early prototyping and developing and for the industrial promotion of automotive applications, services and solutions, as well as to boost direct communication with representatives of European academia and industry.

The workshop was a great success with about 30 participants from a wide range of different companies and organizations from around Europe. Participants were given the opportunity to learn about cutting-edge innovations for automotive technologies, such as Big Data and Machine Learning. The workshop also served as a meeting point for sharing the experiences of SMEs that are succeeding in an industry that tends to be dominated by much larger companies. In addition the workshop enabled researchers to get in touch with leaders from the automotive industry, relevant research disciplines and academia. Among the SME speakers at the workshop were companies like Airinnova (Stockholm), Moxoff (Milan), Recom (Stuttgart) and QuickerSim (Warsaw). Scania (Sweden) and Porsche (Germany) were some of the larger companies that were represented at the workshop. The ESI-Group and ANSYS were two independent software vendors (ISVs) that presented their most recent software developments.

During the first day, Scania led a highly informative session on taking control of HPC operational costs, which is, of course, a vital aspect for companies working with HPC. During the social event, participants visited the MOTORWOROLD exhibition and then had plenty of opportunities to network during the dinner that followed.

Above: Mr. Malo Droughard, who was a collaborative visitor at Airinnova through the HPCE3 project, speaking at the Stuttgart workshop, November 2018

HPCE3 Project Sponsors New Collaborative Research Visit to Airinnova

Infrastructure on High Performance Computing

HPC3 Europa

Pan-European Research

HPC-Europa3 (HPCE3) is an EU project that sponsors collaborative visits so it enables researchers from academia to visit their SME research partners and vice versa. Airinnova is a Swedish company that has already made use of this opportunity and hosted a visiting researcher from EPFL, Switzerland. That visit was so successful that the company decided to invite another collaborator – this time from China. The application was submitted to the sixth HPCE3 call and was successful. Airinnova expects its visiting collaborator in March/April 2019.

We encourage all SMEs to take advantage of the great opportunities that the HPCE3 project provides to foster research collaborations. As one of the main partners in the HPCE3 project, PDC is ready to provide support and guidance to help prepare applications for HPCE3 calls. Please contact Dr. Lilit Axner, lilit@kth.se, who is the HPC-EUROPA3 project representative for Sweden and the Baltic countries, if you would like assistance with an application.

airinnova

Save the Dates

**PDC
Industry Day**

to be held in
Stockholm, Sweden
on
19 September 2019

#PRACEdays19

and

#EHPCSW19

to be held in
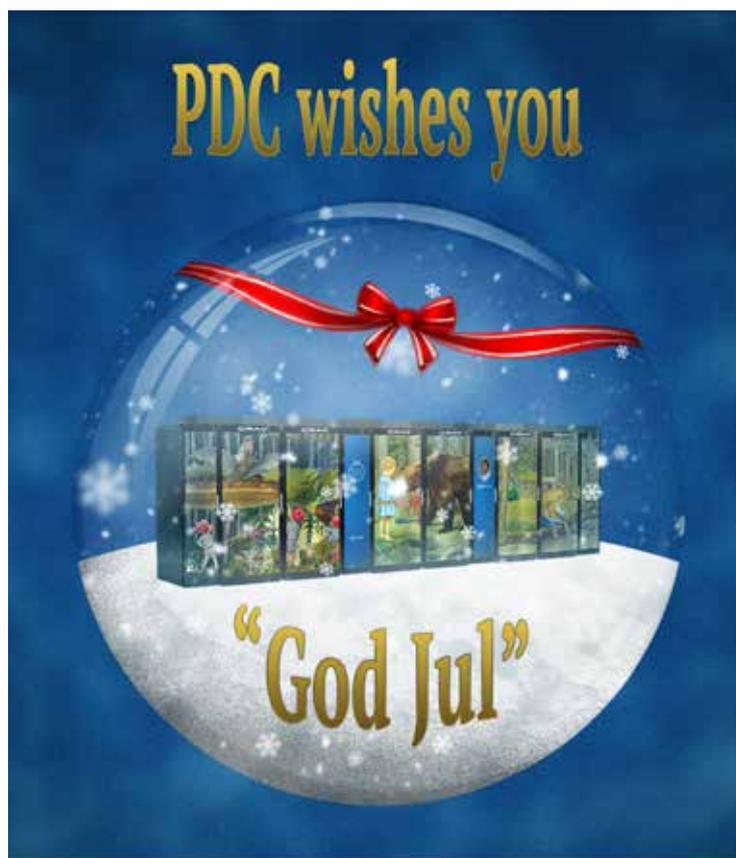**Poznan, Poland**
from
13-17 May 2019

Farewell 2018 and Welcome 2019!

As we look forward to the new challenges and opportunities coming up in 2019 (including new and interesting collaborations), we take a moment to reflect on 2018, which has been a successful year for PDC and especially so for PDC's business relations.

- Many new companies decided to use PDC's services this year.
- PDC organized its first industry event on the 1st of March 2018: the PDC Industry Day, which saw about 30 participants attending a range of interesting talks.
- The HPCE3 project accelerated and PDC hosted the first SME visitor through this project.
- Two PRACE Type-D industrial projects have successfully finished. (You will be able to read more about the results of these projects in our next Business Newsflash.)
- The PRACE SHAPE project by the Swedish Aeronautical Institute (Svenska Flygtekniska Institutet) was also completed with impressive results. (See our next Business Newsflash for more details!)

We would like to take this opportunity to wish you and your colleagues and families a very

Merry Christmas and a Happy New Year!

Need help with your HPC research?
Contact business-unit@pdc.kth.se