



JUWELS, the new supercomputer from Jülich Supercomputing Centre

Capable of 12 quadrillion calculations per second, JUWELS will replace this spring the Tier-0 machine JUQUEEN, opening the way to Exascale supercomputers.



JUWELS

Spring 2018 came with big news in Jülich Supercomputing Centre (JSC): the first module of the JUWELS supercomputer has been installed.

JUWELS stands for "Jülich Wizzard for European Leadership Science" and it has been built in a joint development project between Atos and ParTec.

It is the first element of an innovative supercomputer architecture called "Modular Supercomputing". A highly scalable module with significantly higher performance will follow in 2019.

The prototype for this smart exascale architecture was developed in the three EU-funded projects DEEP, DEEP-ER and DEEP-EST.

JUWELS is built on the basis of European IP and technology. It can be seen as the first proof of concept to demonstrate European performance on the way to exascale supercomputers.

Are you interested to know more about JUWELS? Read the info below:

The JUWELS in the supercomputing crown

Who will follow JUQUEEN to the throne?

Supercomputing: a key cornerstone of the data-driven European economy

Supercomputers promise to tackle pressing global issues

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