



## SPACE CoE NEWSLETTER

### Successful participation of SPACE CoE @ HiPEAC 2024



The HiPEAC 2024 conference took place in Munich, Germany from 17 to 19 January. Associated workshops, tutorials, special sessions, several large poster sessions and an industrial exhibition run in parallel with the conference. **One of the organized initiatives was the joint workshop by SPACE and Plasma PEPSC CoEs concerning "Plasma Physics towards the Exascale Era".**

Thanks to all the speakers and attendees, as well as organizers, for making this workshop a **successful event!**

[Find out more](#)

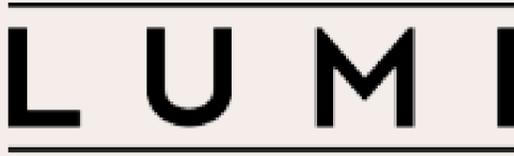


SPACE CoE was present with a poster, both at E4 Engineering booth and in the HiPEAC poster session for EU Research Projects. SPACE CoE is focused on astrophysical and cosmological applications.



[Find out more](#)

### Upcoming Training opportunities and events



8.2.2024  
Online

This one day online course serves as a short introduction to the LUMI architecture and setup. It will include lessons about the hardware architecture, compiling, using software and running jobs efficiently. After the course you will be able to work efficiently on both the CPU (LUMI-C) as well as GPU partition (LUMI-G).

The registration deadline is 5.2. 16:00 CET. Participants will receive confirmation shortly after the deadline. If your plans change, we kindly ask you to cancel your registration as soon as possible. The email acknowledging your registration will contain a link to manage it.

[Register](#)



1.2.2024 - Time: 10:00 - 13:00  
Online via Zoom

**BSC Training Course**  
**Simplifying the usage of persistent distributed data with Hecuba @ BSC**

The objective of this course is to give an overview of BSC storage solutions with Hecuba.

This platform allows to easily store and manipulate distributed data from object-oriented applications, enabling programmers to handle object persistence using the same classes they use in their programs, thus avoiding time consuming transformations between persistent and non-persistent data models

**Cost:** There is no registration fee. The course is free of charge.

[Register](#)



[More info](#)

April 24, 2024 – April 26, 2024  
9:00 AM-5:00 PM

**Simons Foundation, located at 160 Fifth Avenue, 3rd Floor, New York, Ny, 10010, and Zoom**

RAMSES is an open source code written by Romain Teyssier to model astrophysical systems, featuring self-gravitating, magnetised, compressible, radiative fluid flow.

Participation is free of charge.



**MACHINE LEARNING FOR ASTROPHYSICS**  
2<sup>ND</sup> EDITION CATANIA, 8-12 JULY, 2024

In the Big Astronomical Data era, the conference aims to address the challenges emerging from the application of ML/DL methods to open problems in astrophysics, bringing together researchers actively involved in these fields.

Novel AI techniques will be presented, and collaborative discussions on their use with observational and simulated data will be fostered.

Mark your calendar and join us for an enriching experience at ML4ASTRO2.

For any inquiries or additional information, please do not hesitate to contact our organizing committee at [ml4astro2@inaf.it](mailto:ml4astro2@inaf.it)

[Visit for updates](#)

### Stay tuned with next European initiatives

**EuroHPC Summit 2024 - Antwerp (Belgium) 18-21 March**

The EuroHPC Summit 2024 will take place in Belgium during the Belgian EU Presidency under the title "To exascale and beyond Unleashing the Power of European HPC and Quantum Computing".

[Find out more](#)

## ISC High Performance 2024 - Hamburg (Germany) 12-16 May

The ISC 2024 event includes both a conference program and an exhibition. The [conference program](#) is divided into Invited, Contributed, and Vendor Programs. The chair of the ISC 2024 Program is Michela Taufer from The University of Tennessee in the USA, and the deputy chair is Torsten Hoefler from ETH Zurich in Switzerland. Their role is crucial in ensuring that the event's theme, "Reinventing HPC into ISC 2024," is woven throughout the conference program.

Whether attending the conference program or visiting the exhibition, the focus is on effectively using HPC in science, engineering, and business.

[Find out more](#)

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