

SPACE CoE NEWSLETTER

Scalable Parallel Astrophysical Codes for Exascale



SPACE Interim Review meeting
October 25th, 2024

Interim review meeting in Luxembourg for SPACE CoE at EuroHPC JU. It's exciting to showcase the improvements and the achievements of the cutting-edge activities performed to pave the way to exascale applications in astrophysics and cosmology. We are proud to contribute to scientific and technological advancements at the forefront of innovation for hpc.

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Upcoming events



HiPEAC25

Barcelona (Spain), January 20-22, 2025

Tackling software exascale challenges: the Centres of Excellence in High Performance Computing perspective

The workshop organized by E4 Engineering, with the participation of the Centres of Excellence in High Performance Computing funded by euro HPC Joint Undertaking, will be on January 22nd, from 10.00 to 17.30 in Room 9.

[Find out more](#)



PDP 2025 | 33rd Euromicro International Conference on Parallel, Distributed, and Network-Based Processing

Turin (Italy), March 12-14, 2025

SPACE is supporting the special session dedicated to "Astrophysics and Cosmos Observation: HPC and Big Data Management - New Results and Perspectives for the Community". This session will focus on HPC simulations in astrophysics, astroparticle physics, and cosmology, alongside advanced methods for data analysis in these field.

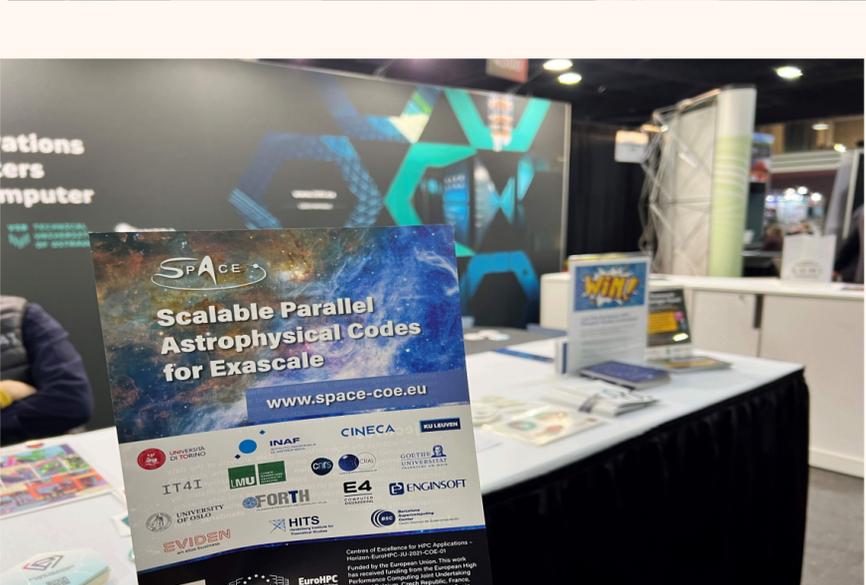
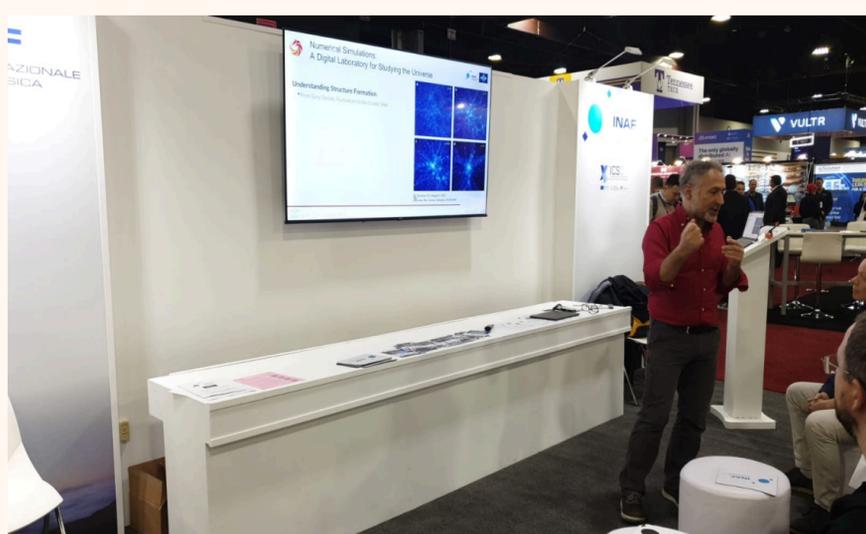
Registration will open on January 13th, 2025.

[Join us](#)



SPACE @ SuperComputing 24 Atlanta, 17-22 November 2024

Snapshots from Atlanta



[Find out more](#)

Upcoming training opportunities

ONNX, Open Neural Network Exchange - The open standard for machine learning. February 2025 - Online

Standardization and development of ONNX (Open Neural Network Exchange) ONNX, Open Neural Network Exchange - The open standard for machine learning. ONNX, Open Neural Network Exchange - The open standard for machine learning, is an open format built to represent machine learning models. ONNX defines a common set of operators - the building blocks of machine learning and deep learning models - and a common file format to enable AI developers to use models with a variety of frameworks, tools, runtimes, and compilers.

Advanced Scientific Visualisations May 2025 - Hybrid (Barcelona and online)

One important aspect in scientific visualisation is the visualisation of 3D phenomena, such as volumes, surfaces, or particles in a 3-dimensional space, with an emphasis on photorealistic renderings, since they can help viewers explore and understand various aspects of the phenomena simultaneously. Besides interesting and understandable, 3D photorealistic renderings can provide impactful and memorable images that are a great resource for science communication and dissemination, as they can improve the reach and engagement of complex topics.

Stay tuned

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Acknowledgement

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