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01 Introducing myself



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I am a PhD student in Physics. In addition to my doctoral research, I work with the MultiXscale EuroHPC JU Centre of Excellence, where I contribute on high-performance computing: building and testing simulation codes on different supercomputers and evaluating their performance and scalability.

02 My role in the MultiXscale project

Running scientific software on a supercomputer is not just about having more computing power. By studying how codes perform as we increase computing resources, we can determine how efficiently they use high-performance computing systems. This helps us run larger simulations and obtain results more quickly.

03 Looking ahead

As supercomputers become more powerful, ensuring that scientific software can efficiently use diverse hardware and software configurations will remain a major challenge. AI can also offer opportunities to identify bottlenecks and assist with code optimization. For me, being part of MultiXscale has provided valuable experience in software performance on large supercomputing systems.