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DEVICE ACCELERATED SOLVERS WITH PETSC: CURRENT STATUS, FUTURE PERSPECTIVES, AND APPLICATIONS.

In this talk, Dr. Zampini will review recent developments towards exploiting Graphical Processing Units (GPUs) from the Portable and Extensible Toolkit for Scientific computing (PETSc). Current status and future perspectives will be discussed.

Examples include multi GPU distributed sparse matrix-matrix multiplications, device accelerated linear solvers, and applications related with the CFD open-source software OpenFOAM and machine-learning training.

SPEAKERS:

**DR. STEFANO
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DATE

Monday 4th July
2PM

Aula Beltrami

<https://us02web.zoom.us/j/82317547510>