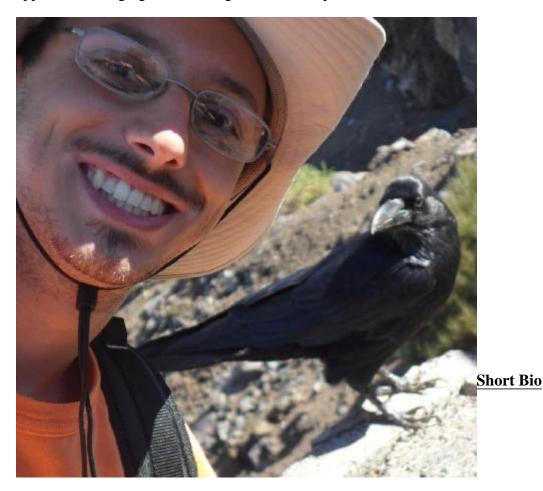


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Abstract

Julia is a modern, dynamic, general-purpose, compiled programming language, particularly well suited for numerical computing. In this presentation I will talk about my experience with using Julia on very different HPC hardware, from the A64FX CPU on Fugaku (the then #1 supercomputer in the Top500 list) to the IPU, a massively parallel MIMD processor with interesting features for machine learning, showcasing applications ranging from solving differential equations to automatic differentiation.



Mosè Giordano is a Research Software Developer at the University College London, and has been using the Julia language for several years in different domains.

Speakers

Speaker: Mosè Giordano, UCL. **Host:** Sergio Sánchez Ramírez, BSC. Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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