

Post-doc positions: Krylov solvers for extreme scale - Inria France

We are offering postdoctoral positions focusing on the development of numerical linear algorithms and software for future extreme scale HPC platforms. Specific research topics are communication hiding/avoiding techniques in preconditioned Krylov (possibly block) subspace solvers with resilient capabilities on emerging programming paradigms.

The postdoc will join a European project (www.exac2ct.eu) on exascale software that involves researchers from IMEC Belgium, University of Antwerp, USI Switzerland and VSB Czech republic, UVSQ France, TS-SFR Germany, Fraunhofer Germany, Intel France, NAG UK and Inria.

The candidate is expected to have a PhD in parallel scientific computing and numerical linear algebra with possible background on the analysis of Krylov subspace methods. He/she must be able to work efficiently with other researchers in this collaborative research environment (he/she will share his/her time working with members of three Inria projects located in Bordeaux, Rennes and Paris). Fluency in English is required.

Applications should comprise a letter of motivation, a CV plus the names and contact information of three individuals who have agreed to send letters of recommendation.

The successful candidates will be offered a position for one year with a possible extension.

For applications and informal inquiries, please contact: Jocelyne.Erhel@inria.fr or luc.giraud@inria.fr or laura.grigori@inria.fr