

Euro-Par 2017: Parallel Processing. Lecture Notes in Computer Science

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Abstract This volume contains the papers presented at Euro-Par 2017: the 23rd International Conference on Parallel and Distributed Computing, held from 28 August to 1 September 2017 in Santiago de Compostela (Spain). Euro-Par is a prestigious annual series of international conferences dedicated to parallel and distributed computing. The topics covered by the conference include aspects related to both software and hardware technologies and, in particular, applications in different hardware platforms, ranging from small embedded systems to cloud computing and supercomputers. The specific topics on which the conference focuses have been renewed along the years extending the state of the art in the field. Nowadays, the challenges of building exascale performance computing systems and their programming are among the main motivations in the parallel and distributed computing community. This challenge opens opportunities to deal with issues related to health, climate, security, and many more. Various topics are deeply impacted by this scenario like energy optimization, scalability, heterogeneous computing, fault-tolerance, etc.

Palabras clave parallel computing, supercomputing, cloud computing

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