WORKS 22

17th Workshop on Workflows in Support of Large-Scale Science

November 14, 2022 — 8:30am-noon CT — Room D222
Dallas, TX, USA

https://works-workshop.org
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BoF @ SC22

NOVEMBER 15
12:15-1:15pm CT
Room D221

Workflows Community Summit 2022

29 and 30 NOVEMBER

virtual via Zoom

https://workflows.community
Invited Talk

Making easier the development and deployment of application workflows with eFlows4HPC

Rosa M. Badia
Barcelona Supercomputing Center, Spain

Rosa M. Badia holds a PhD on Computer Science (1994) from the Technical University of Catalonia (UPC). She is the manager of the Workflows and Distributed Computing research group at the Barcelona Supercomputing Center (BSC). She has made significant contributions to Parallel programming models for multicore and distributed computing due to her contribution to task-based programming models during the last 15 years. The research group focuses on PyCOMPSs/COMPSs, a parallel task-based programming distributed computing, and its application to the development of large heterogeneous workflows that combine HPC, Big Data, and Machine Learning. Dr Badia has published nearly 200 papers in international conferences and journals on the topics of her research. She has been active in projects funded by the European Commission in contracts with industry. She is a member of HiPEAC Network of Excellence. She received the Euro-Par Achievement Award 2019 for her contributions to parallel processing, the DonaTIC award, category Academia/Researcher in 2019, and the HPDC Achievement Award 2021 for her innovations in parallel task-based programming models, workflow applications and systems, and leadership in the high-performance computing research community. Rosa Badia is the IP of eFlows4HPC.