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

SC22
Dallas, TX | hpc accelerates.

Organizing Committee

Program Chairs

Rosa Filgueira
University of St Andrews, UK

Rafael Ferreira da Silva
Oak Ridge National Laboratory, USA

General Chair

Ian J. Taylor
SIMBA Chain, USA

Steering Committee

David Abramson
University of Queensland, Australia

Malcolm Atkinson
University of Edinburgh, UK

Ewa Deelman
University of Southern California, USA

Michela Taufer
University of Tennessee, USA

Program Committee

Rosa M. Badia
Barcelona Supercomputing Center

Daniel Garijo
Universidad Politécnica de Madrid

J. Luc Peterson
LLNL

Henri Casanova
University of Hawaii at Manoa

Sandra Gesing
University of Illinois Chicago

Loïc Pottier
LLNL

Kyle Chard
University of Chicago

Daniel S. Katz
University of Illinois at Urbana-Champaign

Lavanya Ramakrishnan
LBNL

Tainã Coleman
University of Southern California

Ketan C. Maheshwari
Oak Ridge National Laboratory

Tyler Skluzacek
ORNL

Michael R. Crusoe
Common Workflow Language

Maciej Malawski
AGH UST

Frédéric Suter
ORNL

Frank Di Natale
Nvidia

Marta Mattoso
UFRJ

Douglas Thain
University of Notre Dame

Paolo Di Tommaso
Seqera Labs

Raffaele Montella
University of Naples Parthenope

Sean R. Wilkinson
ORNL

Thomas Fahringer
University of Innsbruck

Daniel de Oliveira
UFF

Justin Wozniak
ANL

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.