

## 2nd Workshop/Hackathon on Dynamic Resources in HPC (EuroHPC-JU class of 2019)

### Objectives

We would like to invite you to participate in the 2nd “EuroHPC Workshop/hackathon on Dynamic Resources in HPC”, co-located with the [5<sup>th</sup> Marenstrum Hackathon \(MNHack23\)](#) , at Barcelona Supercomputing Center, in October 2023 from the 16<sup>th</sup> to the 20<sup>th</sup>.

We are planning an interactive event that will help to align the research and production direction of multiple EuroHPC projects, including DEEP-SEA, EuPILOT, ADMIRE, REGALE, and TIME-X.

Malleability on large-scale supercomputers is part of many EuroHPC projects and poses highly interdisciplinary challenges concerning the full system stack, new scheduling strategies, applications supporting malleability, etc. To ensure a long-lasting impact of the efforts around all individual EuroHPC projects, this event will be a hands-on session around the following malleability topics:

- Implement malleable applications
- Adopting malleability frameworks
- Programming model/tools for malleability.
- Scheduler for malleability

This workshop is planned to be an amplifier of collaborations around malleability. Therefore, the goal of the workshop is to implement malleable applications, gain a common understanding of the use cases and their requirements, to establish commonly shared terminology, and identify elements that can be moved to a standardization process, like via the MPI API.

### Technical Talks

To be announced.

### Important Information

- Registration deadline: 9 October 2023

- Notification of acceptance: before 11 October 2023 (we will try to review it as soon as possible after your submission).
- Date: 16/Oct/2022 - 20/Oct/2023
- Place: BSC Building Auditorium (Floor -1)
- Cost: Free of charge.
- Contact: [sergio.iserte@bsc.es](mailto:sergio.iserte@bsc.es)

## BSC's Organizing Committee

General Chairs: Sergio Iserte and Antonio J. Peña.

## Registration

Here: <https://www.bsc.es/2nd-workshop-hackathon-on-dynamics-resources-in-hpc#overlay-context=2nd-workshop-hackathon-on-dynamics-resources-in-hpc>

## List of participants

Sergio Iserte (BSC, Deep-Sea)

## Hacking Modules

T.B.D.

## Past events in this series:

1st EuroHPC Workshop on Malleability in HPC <https://sites.google.com/view/eurohpcmalleability>

1st EuroHPC malleability hackathon <https://sites.google.com/view/1st-eurohpc-mall-hackathon/>

## Accommodation

### Low budget

- Student residence Torre Girona (<https://www.resainn.com>): 2 minutes walking
- Student residence Diagonal (<https://www.resainn.com>): 13 minutes walking
- Albergue Studio Hostel (<https://www.alberguestudio.com>): 20 minutes walking

### Medium budget

- Bonanova Park (<http://hotelbonanovapark.com/>): 14 minutes walking
- Arenas Atiram Hotel (<http://www.atiramhotels.com/hoteles/barcelona/hotel-arenas-atiram-cerca-camp-nou/>): 13 minutes walking
- Hotel Upper Diagonal (<https://www.hotel-upperdiagonal.com>): 7 minutes walking
- Catalonia Rigoletto (<https://www.cataloniahotels.com/es/hotel/catalonia-rigoletto?mb=1>) 15 minutes walking

## High budget

- Sansi Pedralbes (<https://www.hotelsansipedralbes.com>): 7 minutes walking
- Limehome Barcelona (<https://www.limehome.com/suites?city=110&guests=1&property=271>): 15 minutes walking

## Sponsor

The expenses of coffee break/lunch and social dinner will be covered by BSC.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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**Source URL (retrieved on 21 Dic 2024 - 20:00):** <https://www.bsc.es/es/education/training/other-training/2nd-workshophackathon-dynamic-resources-hpc-eurohpc-ju-class-2019>