



48th VI-HPS Tuning Workshop

Barcelona Supercomputing Center, Barcelona, Spain,
09 - 13 February 2026

<http://www.vi-hps.org/training/tws/tw48.html>

**Marta Garcia, Valentin Seitz,
Germán Llort, Sandra Mendez,
Lau Mercadal & Marc Clascà**
BSC

**Brian Wylie
& Marc Schlütter**
JSC

**Cédric Valensi
& Emmanuel Oseret**
UVSQ

**Tobias Dollenbacher
& Joachim Jenke**
RWTH Aachen

Aleksandar Ilic
INESC-ID

Ondřej Vysocký
IT4I

Agenda (Monday)

Time	Topic	Presenter
13:00	Welcome	Garcia
13:15	Introduction to VI-HPS & overview of tools	Valensi
13:45	Introduction to POP CoE and its services	Garcia
14:00	POP Methodology & efficiency / scaling metrics	Garcia
14:30	JSC tools and example assessments	Wylie & Seitz
15:30	<i>Break</i>	
16:00	Hands-on preparing participants' codes and test cases	All
	MareNostrum5 hardware and software environment	
17:00	<i>Adjourn</i>	

Agenda (Tuesday)

Time	Topic	Presenter
09:00	MAQAO performance analysis framework	Valensi & Oseret
	MAQAO hands-on exercises	
10:30	Break	
11:00	TALP	Garcia & Seitz
12:00	OTF-CPT	Dollenbacher & Jenke
13:30	Lunch	
14:30	Hands-on coaching using POP tools to analyse participants' own codes	All
17:00	Adjourn	

Agenda (Wednesday)

Time	Topic	Presenter
09:00	Getting started with BSC tools for MPI+OpenMP	Llort & Mendez
	Extrae trace collection	
	Paraver interactive trace analysis	
10:30	Break	
11:00	Getting started with JSC tools for MPI+OpenMP	Schlütter & Wylie
	Score-P instrumentation & measurement	
	CUBE profile explorer	
12:30	Lunch	
13:30	Hands-on coaching to apply POP tools to analyze participants' own codes	All
17:00	Adjourn	

Agenda (Thursday)

Time	Topic	Presenter
09:00	Advanced use of BSC tools, including for CPU+GPU	Llort & Mercadal
	Basic analysis & Burst clustering	
10:30	<i>Break</i>	
11:00	Nsys2prv	Clascà
11:30	Advanced use of JSC tools, including for CPU+GPU	Schlütter & Wylie
	Vampir interactive trace visualization	
	Scalasca automated trace analysis	
	GPU/custom measurement analysis	
13:30	<i>Lunch</i>	
14:30	Hands-on coaching to apply POP tools to analyze participants' own codes	All
17:00	<i>Adjourn</i>	

Agenda (Friday)

Time	Topic	Presenter
09:00	ARCHER OpenMP runtime error detection	Dollenbacher
09:30	MUST MPI runtime error detection	Dollenbacher
10:00	CARM roofline assessment	Ilic
10:30	<i>Break</i>	
11:00	MERIC/RADAR energy assessment	Vysocký
11:30	Review of the workshop	
	Hands-on coaching to apply POP Tools to analyze participants own codes	All
13:00	<i>Adjourn</i>	