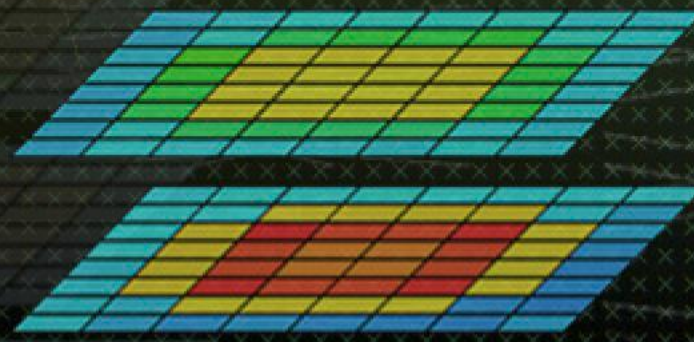




47th VI-HPS Tuning Workshop

University of Duisburg-Essen, Essen, Germany,
02 - 05 June 2025

<http://www.vi-hps.org/training/tws/tw47.html>

Marc-André Hermanns
RWTH Aachen

Dominik Brands & Junaid Mir
University of Duisburg-Essen

Marc Schlütter
Jülich Supercomputing Centre

Gustavo Morais
Technische Universität
Darmstadt

Bert Wesarg & William Williams
Technische Universität Dresden

Rudy Shand
Linaro

Cédric Valensi & Emmanuel Oseret
Université de Versailles

Agenda (Monday)

Time	Topic	Presenter
14:00	Welcome;	Hermanns
	Introduction to VI-HPS & parallel performance engineering	
	Lab setup; Building and running a code on amplitUDE	
15:30	<i>Break</i>	
16:00	Hands-on preparing participants' codes and test cases	
17:00	<i>Adjourn</i>	

Agenda (Tuesday)

Time	Topic	Presenter
09:00	Score-P instrumentation & measurement	Schlütter
	CUBE profile explorer	
10:30	Break	
10:45	Identifying scalability bugs with Extra-P	Morais
12:00	Lunch	
13:00	Hands-on coaching to apply Score-P, CUBE and Extra-P to analyse participants' own codes	
17:00	Adjourn	

Agenda (Wednesday)

Time	Topic	Presenter
09:00	Advanced Score-P Measurement Configuration	Schlütter
	GPU/custom measurement & analysis	
	Scalasca automated trace analysis	
10:30	Break	
10:45	Timeline Visualization with Vampir	Wesarg
12:00	Lunch	
13:00	Hands-on coaching to apply trace analysis tools to analyze participants' own codes	
17:00	Adjourn	

Agenda (Thursday)

Time	Topic	Presenter
09:00	Linaro Performance Reports	Shand
	Linaro MAP	
10:30	<i>Break</i>	
10:45	MAQAO performance analysis framework	Valensi
	Review of the workshop	
12:00	<i>Lunch</i>	
13:00	Hands-on coaching to apply Linaro Forge & MAQAO to analyze participants own codes	
17:00	<i>Adjourn</i>	