

CINECA

36th VI-HPS Tuning Workshop

CINECA Italy, 30 September - 02 October 2020 - Online

<http://www.vi-hps.org/training/tws/tw36.html>

Thomas Gruber
Erlangen Computing Centre

Sameer Shende
University of Oregon

Christian Feld, Brian Wylie & Markus Geimer
Jülich Supercomputing Centre

Holger Brunst
Technische Universität Dresden

Agenda (Wednesday)

Time	Topic	Presenter
09:00	Welcome	Affinito
	Introduction to VI-HPS & overview of tools	Valensi
	Introduction to parallel performance engineering	
	Lab setup; Building and running TeaLeaf CUDA and NPB/BT-MZ	Wylie & Feld
10:30	<i>Break</i>	
11:00	Likwid performance tool suite	Gruber
12:30	<i>Lunch</i>	
14:00	Hands-on coaching to apply Likwid to analyze codes	Gruber
15:30	<i>Break</i>	
16:00	TAU performance system	Shende
17:30	Review of day and schedule for remainder of workshop	
18:00	<i>Adjourn</i>	

Agenda (Thursday)

Time	Topic	Presenter
09:00	Score-P instrumentation & measurement	Feld
	CUBE profile explorer	Wylie
10:30	<i>Break</i>	
11:00	Score-P analysis scoring & measurement filtering	Feld
	Score-P specialized instrumentation and measurement	
12:30	<i>Lunch</i>	
14:00	Hands-on coaching to apply Score-P to analyze codes	Feld & Wylie
15:30	<i>Break</i>	
16:00	Hands-on coaching to apply TAU to analyze codes	Shende
17:30	Review of day and schedule for remainder of workshop	
18:00	<i>Adjourn</i>	

Agenda (Friday)

Time	Topic	Presenter
09:00	Scalasca automated trace analysis	Geimer
	Vampir interactive trace analysis	Brunst
10:30	<i>Break</i>	
11:00	Hands-on coaching to apply Scalasca/Vampir to analyze codes	Geimer & Brunst
	Review of the workshop	
12:30	<i>Lunch</i>	
14:00	Hands-on coaching to apply tools to analyze your own code(s)	All
16:00	<i>End of workshop</i>	