NHR FAU

38th VI-HPS Tuning Workshop

NHR@FAU, Germany, 01 - 03 March 2021 - Online

http://www.vi-hps.org/training/tws/tw38.html

Jäsper Ibnamar & Emmanuel Oseret
University of Versailles

Sameer Shende
University of Oregon

Michael Knobloch
Jülich Supercomputing Centre

Marcus Ritter
Technische Universität Darmstadt

Judit Giménez & Lau Mercadal
Barcelona Supercomputing Center

Agenda (Monday)

Time	Topic	Presenter
09:00	Welcome; Introduction to Zoom; The Meggie system	Gruber & Valensi
	Introduction to VI-HPS & overview of tools	Valensi
	Introduction to parallel performance engineering	
	Lab setup; Building and running NPB/BT-MZ on Meggie	Knobloch
10:30	*Break*	
11:00	MAQAO x86 performance analysis tools	Oseret & Ibnamar
12:30	*Lunch*	
13:45	Hands-on coaching to apply MAQAO to analyze your own code(s)	Oseret & Ibnamar
15:15	*Break*	
15:30	TAU performance system	Shende
16:30	Review of day and schedule for remainder of workshop	
17:00	*Adjourn*	

Agenda (Tuesday)

Time	Topic	Presenter
09:00	Score-P instrumentation & measurement	Knobloch
	Score-P analysis scoring & measurement filtering	
	CUBE profile explorer	
10:30	*Break*	
11:00	Extra-P automated performance modeling	Ritter
	Extra-P hands-ons exercises	
12:30	*Lunch*	
13:45	Hands-on coaching to apply Score-P to analyze your own code(s)	Knobloch
15:15	*Break*	
15:30	Hands-on coaching to apply TAU to analyze your own code(s)	Shende
17:30	Review of day and schedule for remainder of workshop	
18:00	*Adjourn*	

Agenda (Wednesday)

Time	Topic	Presenter
09:00	BSC performance tools	Giménez & Mercadal
10:30	*Break*	
11:00	Hands-on coaching to apply BSC performance tools to analyze your own code(s)	Giménez & Mercadal
	Review of the workshop	Valensi
12:30	*Lunch*	
14:00	Hands-on coaching to apply tools to analyze your own code(s)	All
17:00	*End of workshop*	