

HSF WLCG Virtual Workshop on New Architectures, Portability, and Sustainability

Monday, May 11, 2020

New Architectures, Portability, and Sustainability: Application Software (4:00 PM - 6:00 PM)

-Conveners: Caterina Doglioni

time	[id] title	presenter
4:00 PM	[8] Introduction	STEWART, Graeme A
4:06 PM	[1] Code Portability	Dr LEGGETT, Charles
4:44 PM	[2] Heterogeneous Architectures and Detector Simulation	Dr AMADIO, Guilherme
5:22 PM	[3] TensorFlow as a Compute Engine	POLUEKTOV, Anton

Tuesday, May 12, 2020

New Architectures, Portability, and Sustainability: Processing Frameworks (4:00 PM - 6:00 PM)

-Conveners: Alessandra Forti

time	[id] title	presenter
4:00 PM	[4] Application Frameworks	KRASZNAHORKAY, Attila JONES, Christopher Dr KNOEPFEL, Kyle
	- [1] Heterogeneous Experimental Frameworks	KNOEPFEL, Kyle JONES, Christopher KRASZNAHORKAY, Attila
	- [2] Support For Heterogeneous Computing in CMSSW	KORTELAINEN, Matti
5:00 PM	[5] Workload Management	PEREZ-CALERO YZQUIERDO, Antonio BENJAMIN, Doug BRITO DA ROCHA, Ricardo
	- [1] CMS WMS heterogenous resources access status	PEREZ-CALERO YZQUIERDO, Antonio
	- [2] ATLAS WMS heterogenous resources access status	BENJAMIN, Doug
	- [3] k8s heterogeneous resources access	BRITO DA ROCHA, Ricardo
	- [4] Discussion	

Wednesday, May 13, 2020

New Architectures, Portability, and Sustainability: Validation and Accounting (4:00 PM - 6:00 PM)

-Conveners: Michel Jouvin

time	[id] title	presenter
4:00 PM	[7] Benchmarking and Accounting Metrics	GIORDANO, Domenico SCHULZ, Markus MICHELOTTO, Michele
	- [1] HEP Benchmarks for CPUs and beyond	GIORDANO, Domenico
	- [2] Assigning Value to Heterogenous Pledges	SCHULZ, Markus
	- [3] Discussion	
5:00 PM	[6] Validation	DI FLORIO, Adriano OCHOA, Ines
	- [1] Physics Validation Procedures	OCHOA, Ines
	- [2] Patatrack Heterogeneous Validation	DI FLORIO, Adriano
	- [4] Discussion	
5:55 PM	[9] Closing Remarks	