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6th Workshop on Collaborative Scientific Software Development and Management of Open Source Scientific Packages | (smr 3199)

Saturday 28 April 2018

Day 1 - Physics Department (09:00-18:30)

time	title	presenter
09:00	Workshop Registration	
10:00	Workshop Overview: Research Software Development	I. GIROTTO
10:45	Coffee Break	
11:15	Python: Concepts and Introduction	D. GRELLSCHEID
12:30	Lunch Break	
14:00	Hands-on: Python Programming	D. GRELLSCHEID
16:00	Coffee Break	
16:30	Documentation basics	A. FARNUDI
17:30	Hands-on: Python Programming	D. GRELLSCHEID

Sunday 29 April 2018

Day 2 - Physics Department (09:30-18:30)

time	title	presenter
09:30	Object Oriented Programming in Python	D. GRELLSCHEID
10:45	Coffee Break	
11:15	Python for Scientific Computing: Numpy/Scipy/Matplotlib	A. FARNUDI
12:30	Lunch Break	
14:00	Hands-on: OO Python Programming	D. GRELLSCHEID, A. FARNUDI
16:00	Coffee Break	
16:30	Hands-on: Python for Scientific Computing	D. GRELLSCHEID

Monday 30 April 2018

Day 3 - Physics Department (09:30-18:30)

time	title	presenter
09:30	Compiling and Linking Mixed Languages	I. GIROTTTO
10:45	Coffee Break	
11:15	Introduction to low-level testing	A. CORBETTA
12:30	Lunch Break	
14:00	Pitfalls of Floating-Point Maths	A. CORBETTA
16:00	Coffee Break	
16:30	Makefiles	A. FARNUDI
17:30	C-Fortran-linking lab	I. GIROTTTO

Tuesday 01 May 2018

Day 4 - Physics Department (09:30-18:30)

time	title	presenter
09:30	Optimization: Algorithms	D. GRELLSCHEID
10:45	Coffee Break	
11:15	Optimization: Modern Hardware Architectures	I. GIROTTO
12:30	Lunch Break	
14:00	Hands-on: Memory Hierarchy	I. GIROTTO
16:00	Coffee Break	
16:30	Hands-on: Debugging and Profiling	I. GIROTTO

Wednesday 02 May 2018

HOLIDAY - Physics Department (09:30-09:31)

Saturday 05 May 2018

Day 5 - Physics Department (09:30-18:30)

time	title	presenter
09:30	Git introduction	A. CORBETTA
10:30	Introduction to Programming Projects	ALL INSTRUCTORS
10:45	Coffee Break	
11:15	Introduction to Programming Projects; set up project git repositories	A. CORBETTA
12:30	Lunch Break	
14:00	Hands-on: Work on Group Projects	
16:00	Coffee Break	
16:30	Hands-on: Work on Group Projects	

Sunday 06 May 2018

Day 6 - Physics Department (09:30-18:30)

time	title	presenter
09:30	Documentation Tools for Users and Developers	D. GRELLSCHEID
10:45	Coffee Break	
11:15	Test Suites and Continuous Integration	A. CORBETTA
12:30	Lunch Break	
14:00	Hands-on: Work on Group Projects	
16:00	Coffee Break	
16:30	Hands-on: Work on Group Projects	

Monday 07 May 2018

Day 7 - Physics Department (09:30-18:30)

time	title	presenter
09:30	Reusing Software / Discussion of Software Licensing	D. GRELLSCHEID
10:45	Coffee Break	
11:15	Task Farming for Embarrassingly Parallel Processing	I. GIROTTO
12:30	Lunch Break	
14:00	Hands-on: Work on Group Projects	
16:00	Coffee Break	
16:30	Hands-on: Work on Group Projects	

Tuesday 08 May 2018

Day 8 - Physics Department (09:30-18:30)

time	title	presenter
09:30	Real-world Uses of Scientific Programming and SW project Management: -Rivet/Herwig (D. Grellscheid) - LBE3D (A. Corbetta)	D. GRELLSCHEID, A. CORBETTA
10:45	Coffee Break	
11:15	to be announced	
12:30	Lunch Break	
14:00	Hands-on: Work on Group Projects	
16:00	Coffee Break	
16:30	Hands-on: Work on Group Projects	

Wednesday 09 May 2018

Day 9 - Physics Department (09:30-16:00)

time	title	presenter
09:30	Project presentations	
10:45	Coffee Break	
11:15	Programming Project Presentations, Handing out of Certificates	
12:30	Lunch Break	
14:00	Departure/ Free time	