PARALLEL PROGRAMMING IN MODERN FORTRAN

IT4Innovations
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supercomputing
center@#01%101

April 21 – 22, 2016

VŠB – Technical University of Ostrava
IT4Innovations building, room 207

Tutor: ## Salvatore Filippone
University Cranfield, UK

Level:
basic/intermediate

Language:
English

April 21, 2016

09:30 – 10:00	Registration
10:00 – 11:30	The evolution of the Fortran language, from Fortran 77 to coarrays in Fortran 2015
11:30 – 13:00	Lunch break
13:00 – 14:30	Object-oriented design basics: Class and action diagrams
14:30 – 15:00	Coffee break
15:00 – 16:30	Fortran object-oriented features
16:30 – 17:00	Coffee break
17:00 – 18:00	Hands-on exercise: "Hello multiverse": basic coarray usage

April 22, 2016

09:00 – 10:30	Design patterns and their usage
10:30 – 11:00	Coffee break
11:00 – 12:45	Case study: Sparse matrix computations on hybrid CPU/GPU
12:45 – 14:00	Lunch break
14:00 – 15:30	Hands-on exercise

More information and registration at:
http://training.it4i.cz/en/FORT-04-2016

Deadline for registration: April 14, 2016

prace.it4i.cz

training@it4i.cz