INTRO OF JULIA COMPUTING, CINECA, BOLOGNA, 3-5TH 2021

Course Tachers: Fabio Affinito, Nitin Shukla

Agenda

3ʀᴅ MAY 2021

Hours	Topics
9:30-10:30	Environment setup
11:00-12:00	Getting started with Julia: Variables, Print, Functions, Conditions…
12:30-13:30	First exercise
14:30-15:30	String, Arrays, Dictionary, Tuples
16:00-17:00	Second exercise

4ᵀᴴ MAY 2021

Hours	Topics
9:30-10:30	Structs, objects
11:00-12:00	Multiple dispatch, Constructors
12:30-13:30	Third exercise
14:30-15:30	Benchmarks "How fast is Julia?"
16:00-17:00	Parallelization with Julia

5ᵀᴴ MAY 2021

Hours	Topics
9:30-10:30	CPU parallelism
11:00-12:00	Hands on session
12:30-13:30	Fourth exercise
14:30-15:30	GPU parallelism
16:00-17:00	Fifth exercise