Reusing this material

Partners

Contents

- Introduction

- ARCHER2 Training Programme 2023/24 draft

- Questions/discussion

Introduction

- 60+ days of interactive face-to-face and online courses and webinars.

- Course catalogue aimed to cover users' needs.

- The number of face-to-face courses will be larger from May 2023.

- Self-service courses also available:
  - MPI
  - OpenMP
  - GROMACS+CP2K

- Past course materials and recordings available on the ARCHER2 website.

- Feedback from:
  - Past course attendees.
  - ARCHER2 training forum.
  - ARCHER2 training panel.

ARCHER2 Training Programme 2023/24 draft

Quarter	Course	Level	Days	Quarter	Course	Level	Days
Q1	Data Carpentry	1	2	Q3	Data Carpentry	1	2
	HPC Carpentry	1	2		HPC Carpentry	1	2
	Reproducible comp. env. using containers	1	2		Reproducible comp. env. using containers	1	2
	Plotting and Programming in Python	1	1		Introduction to Xcompact3D (*)	1	1
	Introduction to OpenMP	2	3		Advanced use of LAMMPS (*)	2	1
	Advanced MPI	3	2		Advanced OpenMP	2	2
	Parallel Performance Analysis using Scalasca	3	2		Debugging and Profiling on ARCHER2 (*)	2	2
					Intermediate Modern Fortran (*)	2	2
	Virtual tutorials	1-3	1.5		Virtual tutorials	1-3	1.5
Q2	Software Carpentry	1	2	Q4	Software Carpentry	1	2
	ARCHER2 for Data Scientists	1	1		ARCHER2 for Data Scientists	1	1
	ARCHER2 for Developers	1	2		ARCHER2 for Developers	1	2
	ARCHER2 for Package Users	1	1		ARCHER2 for Package Users	1	1
	Data Analysis and Visualisation in Python	1	2		Modern C++ for Computational Scientists	1	2
	Introduction to VASP (+)	1	1		Message Passing Programming with MPI	2	3
	Understanding Package Performance	1	1		Efficient use of the HPE Cray EX System	3	3
	Data Science for Decision Makers (*)	1	1				
	Efficient Parallel IO	3	1				
	Performance Optimisation on AMD EPYC	3	2				
	Virtual tutorials	1-3	1.5		Virtual tutorials	1-3	1.5

Questions/discussion

- What courses would you add/remove/keep?

- Is there any course that you (or your consortium) might be particularly interested in?

- Would you prefer to enrol in any of the below courses in a self-service format?

Quarter	Course	Level	Days	Quarter	Course	Level	Days
Q1	Data Carpentry	1	2	Q3	Data Carpentry	1	2
	HPC Carpentry	1	2		HPC Carpentry	1	2
	Reproducible comp. env. using containers	1	2		Reproducible comp. env. using containers	1	2
	Plotting and Programming in Python	1	1		Introduction to Xcompact3D (*)	1	1
	Introduction to OpenMP	2	3		Advanced use of LAMMPS (*)	2	1
	Advanced MPI	3	2		Advanced OpenMP	2	2
	Parallel Performance Analysis using Scalasca	3	2		Debugging and Profiling on ARCHER2 (*)	2	2
					Intermediate Modern Fortran (*)	2	2
	Virtual tutorials	1-3	1.5		Virtual tutorials	1-3	1.5
Q2	Software Carpentry	1	2	Q4	Software Carpentry	1	2
	ARCHER2 for Data Scientists	1	1		ARCHER2 for Data Scientists	1	1
	ARCHER2 for Developers	1	2		ARCHER2 for Developers	1	2
	ARCHER2 for Package Users	1	1		ARCHER2 for Package Users	1	1
	Data Analysis and Visualisation in Python	1	2		Modern C++ for Computational Scientists	1	2
	Introduction to VASP (+)	1	1		Message Passing Programming with MPI	2	3
	Understanding Package Performance	1	1		Efficient use of the HPE Cray EX System	3	3
	Data Science for Decision Makers (*)	1	1				
	Efficient Parallel IO	3	1				
	Performance Optimisation on AMD EPYC	3	2				
	Virtual tutorials	1-3	1.5		Virtual tutorials	1-3	1.5