

# **Delavnica HPC v praksi I: od Linuxa do kontejnerjev / Workshop HPC in Practice I: From Linux to Containers**



**Wednesday, 22 April 2026 - Thursday, 23 April 2026**

## **Scientific Programme**

## Osnove upravljanja in Slurm / Linux and Slurm

Kdaj: Sreda, 22. april 2026 | 9:00 – 13:00 (z odmorom)

Kje: FIŠ (online)

- 9:00 – 10:30 | Linux Command Line: Vaš prvi stik s HPC Osvojite terminal, ki je vstopna točka v vse sodobne HPC grozde. Naučili se boste navigacije, upravljanja datotek in pisanja skript za avtomatizacijo. Predavatelj: Srdjan Škrbić
- 11:00 – 12:30 | Slurm: Kako ukrotiti superračunalnik? Naučite se oddajati naloge, upravljati s procesorskimi in grafičnimi viri (CPU/GPU) ter optimizirati vrsto za čakanje. Predavatelj: Jani Pogačar

When: Wednesday, April 22, 2026 | 9:00 AM – 1:00 PM (including break)

Where: FIŠ (online)

- 9:00 – 10:30 | Linux Command Line: Your First Contact with HPC Master the terminal, the entry point to all modern HPC clusters. You will learn navigation, file management, and writing automation scripts. Lecturer: Srdjan Škrbić
- 11:00 – 12:30 | Slurm: How to Tame a Supercomputer? Learn how to submit jobs, manage processing and graphics resources (CPU/GPU), and optimize job queues. Lecturer: Jani Pogačar

## Umetna inteligenca in napredna orodja / Artificial Intelligence and Advanced Tools

Kdaj: Četrtek, 23. april 2026 | 9:00 – 13:00 (z odmorom)

Kje: FIŠ (online)

- 9:00 – 10:00 | Apptainer: Prenosljivost brez omejitev Spoznajte moč kontejnerizacije (prej Singularity). Ustvarite okolje, ki bo delovalo kjerkoli, neodvisno od operacijskega sistema grozda. Predavatelj: Robi Prtržnik
- 10:30 – 12:30 | ML primeri na HPC Trdina Praktični primeri strojnega učenja (Machine Learning) neposredno na naši infrastrukturi. Od priprave okolja do prve naučene mreže. Predavatelj: Srdjan Škrbić

When: Thursday, April 23, 2026 | 9:00 AM – 1:00 PM (including break)

Where: FIŠ (online)

- 9:00 – 10:00 | Apptainer: Portability Without Limits Discover the power of containerization (formerly Singularity). Create an environment that works anywhere, independent of the cluster's operating system. Lecturer: Robi Pretržnik
- 10:30 – 12:30 | ML Examples on HPC Trdina Practical examples of Machine Learning directly on our infrastructure—from environment setup to your first trained network. Lecturer: Srdjan Škrbić