

Second course on porting code and algorithms to GPUs

Report of Contributions

Contribution ID: 1

Type: **not specified**

Lecture GPU (part 1)

Monday, 30 June 2025 14:30 (1h 45m)

Presenter: PANTALEO, Felice (CERN)

Contribution ID: 2

Type: **not specified**

Lecture GPU (part 2)

Monday, 30 June 2025 16:35 (1h 15m)

Presenter: PANTALEO, Felice (CERN)

Contribution ID: 3

Type: **not specified**

Introduction to performance portability with Alpaka (part 2)

Tuesday, 1 July 2025 16:45 (1h 45m)

Presenter: Dr BOCCI, Andrea (CERN)

Contribution ID: 4

Type: **not specified**

Lecture: Hyperparameter optimization with OPTUNA

Thursday, 3 July 2025 09:00 (2 hours)

Presenter: Dr SÖZBİLİR, Ümit

Contribution ID: 5

Type: **not specified**

Consolidation (more exercises or specific use cases)

Wednesday, 2 July 2025 16:45 (1h 45m)

Presenter: PANTALEO, Felice (CERN)

Contribution ID: 6

Type: **not specified**

Hands-on: optimization in OPTUNA

Thursday, 3 July 2025 11:30 (1h 30m)

Presenter: Dr SÖZBİLİR, Ümit

Contribution ID: 7

Type: **not specified**

Consolidation (more exercises or specific use cases)

Thursday, 3 July 2025 14:30 (2 hours)

Presenter: Dr BOCCI, Andrea (CERN)

Contribution ID: 8

Type: **not specified**

Consolidation (more exercises or specific use cases)

Presenter: PANTALEO, Felice (CERN)

Contribution ID: 9

Type: **not specified**

Hands-on GPU

Tuesday, 1 July 2025 09:00 (1h 45m)

Presenter: PANTALEO, Felice (CERN)

Contribution ID: **10**

Type: **not specified**

Introduction to performance portability with Alpaka (part 1)

Tuesday, 1 July 2025 14:30 (1h 45m)

Presenter: Dr BOCCI, Andrea (CERN)

Contribution ID: **11**

Type: **not specified**

Consolidation (more exercises or specific use cases)

Wednesday, 2 July 2025 14:30 (1h 45m)

Presenter: Dr BOCCI, Andrea (CERN)

Contribution ID: **12**

Type: **not specified**

Lecture Alpaka (part 5)

Presenter: Dr BOCCI, Andrea (CERN)

Contribution ID: **13**

Type: **not specified**

Hands-on Alpaka

Presenter: Dr BOCCI, Andrea (CERN)

Contribution ID: 14

Type: **not specified**

Consolidation (more exercises or specific use cases)

Thursday, 3 July 2025 17:00 (1 hour)

Contribution ID: 15

Type: **not specified**

Welcome (info & logistics)

Monday, 30 June 2025 14:00 (30 minutes)

Presenters: POMPILI, Alexis (Istituto Nazionale di Fisica Nucleare); BATTILANA, Carlo (Istituto Nazionale di Fisica Nucleare); GENNAI, Simone (MIB)

Contribution ID: **16**

Type: **not specified**

Lecture GPU (part 3)

Tuesday, 1 July 2025 11:15 (1h 45m)

Presenter: PANTALEO, Felice (CERN)

Contribution ID: 17

Type: **not specified**

Hands-on Alpaka

Wednesday, 2 July 2025 09:00 (1h 45m)

Presenter: Dr BOCCI, Andrea (CERN)

Contribution ID: **18**

Type: **not specified**

Hands-on Alpaka

Wednesday, 2 July 2025 11:15 (1h 45m)

Presenter: Dr BOCCI, Andrea (CERN)

Contribution ID: **19**

Type: **not specified**

Lunch break

Contribution ID: **20**

Type: **not specified**

Social dinner

Wednesday, 2 July 2025 20:00 (2 hours)

(On each own funds but all together in a pre-booked good restaurant)

Contribution ID: **21**

Type: **not specified**

More consolidation (on specific use cases)

Friday, 4 July 2025 09:00 (2 hours)

Contribution ID: 22

Type: **not specified**

Wrap-up and closeout

Friday, 4 July 2025 11:20 (40 minutes)