

Beginner's GPU programming course for UK particle physicists

Report of Contributions

Contribution ID: 1

Type: **not specified**

Accelerating Applications with CUDA C/C++

Wednesday, 29 May 2024 13:00 (2 hours)

Presenter: CASTAGNA, Jony (UKRI-STFC Hartree Centre)

Session Classification: Day 1

Contribution ID: 2

Type: **not specified**

Managing Accelerated Application Memory with CUDA C/C++ Unified Memory

Wednesday, 29 May 2024 15:30 (1h 30m)

Presenter: CASTAGNA, Jony (UKRI-STFC Hartree Centre)

Session Classification: Day 1

Contribution ID: 3

Type: **not specified**

Asynchronous Streaming, and Visual Profiling with CUDA C/C++

Thursday, 30 May 2024 10:30 (1 hour)

Presenter: CASTAGNA, Jony (UKRI-STFC Hartree Centre)

Session Classification: Day 2

Contribution ID: 4

Type: **not specified**

CMS HLT GPU implementation

Thursday, 30 May 2024 13:30 (30 minutes)

Presenter: REIS, Thomas (STFC)

Session Classification: Day 2

Beginner's GPU ... / Report of Contributions

Lunch

Contribution ID: 5

Type: **not specified**

Lunch

Session Classification: Day 2

Contribution ID: 6

Type: **not specified**

Introduction

Wednesday, 29 May 2024 12:00 (30 minutes)

Presenter: CASTAGNA, Jony (UKRI-STFC Hartree Centre)

Session Classification: Day 1

Contribution ID: 7

Type: **not specified**

Other GPU frameworks (SYCL, Alpaka, HIP)

Thursday, 30 May 2024 13:00 (30 minutes)

Presenter: MARTIN-HAUGH, Stewart (STFC)

Session Classification: Day 2

Contribution ID: 8

Type: **not specified**

N-body simulator

Thursday, 30 May 2024 11:30 (1 hour)

Presenter: CASTAGNA, Jony (UKRI-STFC Hartree Centre)

Session Classification: Day 2

Contribution ID: 9

Type: **not specified**

Unstructured discussion time

Session Classification: Day 2

Contribution ID: **10**

Type: **not specified**

Asynchronous Streaming, and Visual Profiling with CUDA C/C++

Thursday, 30 May 2024 10:00 (15 minutes)

Presenter: CASTAGNA, Jony (UKRI-STFC Hartree Centre)

Session Classification: Day 2

Contribution ID: 11

Type: **not specified**

Optional:extra time for anything

Thursday, 30 May 2024 14:00 (1 hour)

Session Classification: Day 2