

4th Thematic CERN School of Computing



Report of Contributions

Contribution ID: 0

Type: **not specified**

Introduction to FESB

Monday 23 May 2016 09:00 (20 minutes)

Presenter: LELAS, Damir (University of Split. Fac.of Elect. Eng., Mech. Eng. and Nav.Arc)

Session Classification: Opening Session

Contribution ID: 1

Type: **not specified**

Introduction to the thematic School of Computing

Monday 23 May 2016 09:20 (40 minutes)

Presenter: PACE, Alberto (CERN)

Session Classification: Opening Session

Contribution ID: 3

Type: **not specified**

Exercise 1

Monday 23 May 2016 15:45 (1 hour)

Presenter: NOWAK, Andrzej

Session Classification: Technologies and Platforms

Contribution ID: 4

Type: **not specified**

Exercise 2

Monday 23 May 2016 16:45 (1 hour)

Presenter: NOWAK, Andrzej

Session Classification: Technologies and Platforms

Contribution ID: 12

Type: **not specified**

Scientific Programming: A Modern Approach

Tuesday 24 May 2016 16:30 (1 hour)

Lecture 1

Summary

Presenter: PIPARO, Danilo (CERN)

Session Classification: Programming for concurrency and correctness

Contribution ID: **13**

Type: **not specified**

Exercise 3

Tuesday 24 May 2016 17:30 (1 hour)

Summary

Presenter: NOWAK, Andrzej

Session Classification: Technologies and Platforms

Contribution ID: 14

Type: **not specified**

Structuring data for efficient I/O

Tuesday 24 May 2016 09:00 (1 hour)

Lecture 1

Summary

Presenter: PONCE, Sebastien (CERN)

Session Classification: Effective I/O for Scientific Applications

Contribution ID: 15

Type: **not specified**

Data Oriented Design

Tuesday 24 May 2016 10:00 (1 hour)

Lecture 3

Summary

Presenter: NOWAK, Andrzej

Session Classification: Technologies and Platforms

Contribution ID: 16

Type: **not specified**

Many ways to store data

Tuesday 24 May 2016 11:45 (1 hour)

Lecture 2

Summary

Presenter: PONCE, Sebastien (CERN)

Session Classification: Effective I/O for Scientific Applications

Contribution ID: 17

Type: **not specified**

Preserving data

Tuesday 24 May 2016 18:30 (1 hour)

Lecture 3

Summary

Presenter: PONCE, Sebastien (CERN)

Session Classification: Effective I/O for Scientific Applications

Contribution ID: **18**

Type: **not specified**

Inaugural Scientific Lecture

Monday 23 May 2016 10:00 (1 hour)

Summary

Session Classification: Inaugural Scientific Lecture

Contribution ID: 19

Type: **not specified**

Introduction to Efficient Computing

Monday 23 May 2016 11:45 (1 hour)

Lecture 1

Summary

Presenter: NOWAK, Andrzej

Session Classification: Technologies and Platforms

Contribution ID: 20

Type: **not specified**

Intermediate Concepts in Efficient Computing

Monday 23 May 2016 14:00 (1 hour)

Lecture 2

Summary

Presenter: NOWAK, Andrzej

Session Classification: Technologies and Platforms

Contribution ID: 22

Type: **not specified**

Expressing Parallelism Pragmatically

Wednesday 25 May 2016 09:00 (1 hour)

Lecture 2

Summary

Presenter: PIPARO, Danilo (CERN)

Session Classification: Programming for concurrency and correctness

Contribution ID: 23

Type: **not specified**

Resource Protection & Thread Safety

Wednesday 25 May 2016 10:00 (1 hour)

Lecture 3

Summary

Presenter: PIPARO, Danilo (CERN)

Session Classification: Programming for concurrency and correctness

Contribution ID: 24

Type: **not specified**

Exercise 1

Wednesday 25 May 2016 11:45 (1 hour)

Presenter: PIPARO, Danilo (CERN)

Session Classification: Programming for concurrency and correctness

Contribution ID: 25

Type: **not specified**

Ensure Correctness of a Parallel Scientific Application

Thursday 26 May 2016 09:00 (1 hour)

Lecture 4

Summary

Presenter: PIPARO, Danilo (CERN)

Session Classification: Programming for concurrency and correctness

Contribution ID: 26

Type: **not specified**

Exercise 2

Thursday 26 May 2016 10:00 (1 hour)

Presenter: PIPARO, Danilo (CERN)

Session Classification: Programming for concurrency and correctness

Contribution ID: 27

Type: **not specified**

Exercise 3

Thursday 26 May 2016 11:45 (1 hour)

Presenter: PIPARO, Danilo (CERN)

Session Classification: Programming for concurrency and correctness

Contribution ID: 28

Type: **not specified**

Key ingredients to achieve effective I/O

Thursday 26 May 2016 16:30 (1 hour)

Lecture 4

Summary

Presenter: PONCE, Sebastien (CERN)

Session Classification: Effective I/O for Scientific Applications

Contribution ID: 29

Type: **not specified**

Exercise 1

Thursday 26 May 2016 17:30 (1 hour)

Presenter: PONCE, Sebastien (CERN)

Session Classification: Effective I/O for Scientific Applications

Contribution ID: **30**

Type: **not specified**

Exercise 2

Thursday 26 May 2016 18:30 (1 hour)

Presenter: PONCE, Sebastien (CERN)

Session Classification: Effective I/O for Scientific Applications

Contribution ID: **31**

Type: **not specified**

Exercise 3

Friday 27 May 2016 09:00 (1 hour)

Presenter: PONCE, Sebastien (CERN)

Session Classification: Effective I/O for Scientific Applications

Contribution ID: 32

Type: **not specified**

Summary & Future Technologies Overview

Friday 27 May 2016 10:00 (1 hour)

Lecture 4

Summary

Presenter: NOWAK, Andrzej

Session Classification: Technologies and Platforms

Contribution ID: 41

Type: **not specified**

Closing Scientific Lecture (tbc)

Friday 27 May 2016 14:00 (1 hour)

Session Classification: Closing Scientific Lecture

Contribution ID: 42

Type: **not specified**

Student presentations

Friday 27 May 2016 15:00 (1h 30m)

Summary

Session Classification: Students presentations