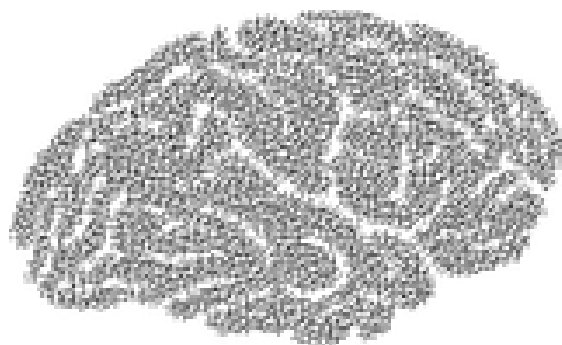


SOSC 2022 Fourth International School on Open Science Cloud



Report of Contributions

Contribution ID: 56

Type: **not specified**

Welcome

Monday, November 28, 2022 9:00 AM (30 minutes)

Presenters: SPIGA, Daniele (Istituto Nazionale di Fisica Nucleare); SALOMONI, Davide (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: 57

Type: **not specified**

Hands-on Project description

Presenter: SPIGA, Daniele (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: 58

Type: **not specified**

How do I manage applications: Containers

Monday, November 28, 2022 11:20 AM (1h 40m)

Presenter: SALOMONI, Davide (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: 59

Type: **not specified**

How do I manage my data: Block vs. Object storage

Monday, November 28, 2022 2:20 PM (1 hour)

Presenter: COSTANTINI, Alessandro (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: **60**

Type: **not specified**

How do I manage my data: Reading and Writing

Monday, November 28, 2022 3:20 PM (1 hour)

Presenter: CIANGOTTINI, Diego (INFN Perugia)

Session Classification: Lectures

Contribution ID: **61**

Type: **not specified**

Organizing software and actions

Tuesday, November 29, 2022 9:00 AM (1 hour)

Presenter: COSTANTINI, Alessandro (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: 62

Type: **not specified**

Working with data: Jupyter and Pandas

Tuesday, November 29, 2022 11:10 AM (1 hour)

Presenter: ANDERLINI, Lucio (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: 63

Type: **not specified**

Introduction to Machine Learning

Wednesday, November 30, 2022 9:00 AM (1h 50m)

Presenter: SCRUCCA, Luca (Università degli Studi di Perugia)

Session Classification: Lectures

Contribution ID: 64

Type: **not specified**

Introduction to Machine Learning: Part 2

Wednesday, November 30, 2022 11:10 AM (1h 50m)

Presenter: ANDERLINI, Lucio (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: 65

Type: **not specified**

Parallelize and distribute workloads: Workflow management

Thursday, December 1, 2022 9:00 AM (1h 50m)

Presenter: SPIGA, Daniele (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: 66

Type: **not specified**

How do I distribute my Jupyter: Spark

Session Classification: Lectures

Contribution ID: 67

Type: **not specified**

How do I distribute my Jupyter: Dask and Spark

Thursday, December 1, 2022 11:10 AM (1h 50m)

Presenter: CIANGOTTINI, Diego (INFN Perugia)

Session Classification: Lectures

Contribution ID: **68**

Type: **not specified**

Building a computing model

Monday, November 28, 2022 10:00 AM (1 hour)

Presenter: BOCCALI, Tommaso (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: **69**

Type: **not specified**

FPGA and Machine Learning: Introduction

Monday, November 28, 2022 7:00 PM (1 hour)

Presenter: MARIOTTI, Mirko (Istituto Nazionale di Fisica Nucleare)

Session Classification: Special Session

Contribution ID: 70

Type: **not specified**

Exploting FPGA: Live Demo

Monday, November 28, 2022 9:00 PM (1h 30m)

Presenter: MARIOTTI, Mirko (Istituto Nazionale di Fisica Nucleare)

Session Classification: Special Session

Contribution ID: 71

Type: **not specified**

Intro to the project: documentation and tools

Monday, November 28, 2022 4:40 PM (50 minutes)

Presenters: SPIGA, Daniele (Istituto Nazionale di Fisica Nucleare); CIANGOTTINI, Diego (INFN Perugia)

Session Classification: Hands On

Contribution ID: 72

Type: **not specified**

Workflow automation: Introduction to Argo Workflows

Tuesday, November 29, 2022 10:00 AM (50 minutes)

Presenter: COSTANTINI, Alessandro (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: 73

Type: **not specified**

Hands-on: Intruducing the Dataset. Pre-processing, organizing, exploring data

Tuesday, November 29, 2022 12:10 PM (50 minutes)

Presenter: ANDERLINI, Lucio (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: 74

Type: **not specified**

Hands-on: Pre-processing, organizing, exploring data

Tuesday, November 29, 2022 2:20 PM (1 hour)

Presenter: ANDERLINI, Lucio (Istituto Nazionale di Fisica Nucleare)

Session Classification: Hands On

Contribution ID: 75

Type: **not specified**

Time for Student project

Tuesday, November 29, 2022 3:20 PM (1 hour)

Presenter: ANDERLINI, Lucio (Istituto Nazionale di Fisica Nucleare)

Session Classification: Hands On

Contribution ID: 76

Type: **not specified**

Automate the workflow execution: Demo Live on Argo Workflow

Tuesday, November 29, 2022 4:50 PM (1h 10m)

Presenter: CIANGOTTINI, Diego (INFN Perugia)

Session Classification: Hands On

Contribution ID: 77

Type: **not specified**

Playing with ML: guided exercises

Wednesday, November 30, 2022 2:20 PM (1 hour)

Presenter: ANDERLINI, Lucio (Istituto Nazionale di Fisica Nucleare)

Session Classification: Hands On

Contribution ID: 78

Type: **not specified**

Playing with ML: Guided Exercise and Time for Student project

Wednesday, November 30, 2022 3:20 PM (1 hour)

Presenter: ANDERLINI, Lucio (Istituto Nazionale di Fisica Nucleare)

Session Classification: Hands On

Contribution ID: 79

Type: **not specified**

Time for Student project

Wednesday, November 30, 2022 4:40 PM (1h 20m)

Session Classification: Hands On

Contribution ID: **80**

Type: **not specified**

Distributing workload via Dask: Guided Exercise

Thursday, December 1, 2022 2:20 PM (1 hour)

Presenter: CIANGOTTINI, Diego (INFN Perugia)

Session Classification: Hands On

Contribution ID: **81**

Type: **not specified**

Time for Student Project

Thursday, December 1, 2022 3:20 PM (1 hour)

Presenter: CIANGOTTINI, Diego (INFN Perugia)

Session Classification: Hands On

Contribution ID: **82**

Type: **not specified**

Time for student project + Pipeline implementation

Thursday, December 1, 2022 4:40 PM (1h 20m)

Presenter: CIANGOTTINI, Diego (INFN Perugia)

Session Classification: Hands On

Contribution ID: **83**

Type: **not specified**

Introduction

Monday, November 28, 2022 9:30 AM (30 minutes)

Presenter: SALOMONI, Davide (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: 84

Type: **not specified**

Opportunities for collaboration

Friday, December 2, 2022 11:30 AM (40 minutes)

Presenter: SALOMONI, Davide (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: 85

Type: **not specified**

Conclusions

Friday, December 2, 2022 12:10 PM (20 minutes)

Presenter: SPIGA, Daniele (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: **86**

Type: **not specified**

Soltuions of the Project

Friday, December 2, 2022 9:00 AM (1 hour)

Presenters: CIANGOTTINI, Diego (INFN Perugia); ANDERLINI, Lucio (Istituto Nazionale di Fisica Nucleare)

Session Classification: Final session

Contribution ID: 87

Type: **not specified**

Time for Survey

Friday, December 2, 2022 10:00 AM (55 minutes)

Session Classification: Final session