

SOSC 2023 Fifth International School on Open Science Cloud

Report of Contributions

Contribution ID: **88**

Type: **not specified**

Welcome and Introduction

Monday, 23 October 2023 09:00 (30 minutes)

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

Session Classification: Lectures

Contribution ID: 89

Type: **not specified**

Dark matter and neutrino study with CYGNO: Computing model and data handling

Monday, 23 October 2023 09:30 (1h 30m)

Presenter: MAZZITELLI, Giovanni (Istituto Nazionale di Fisica Nucleare)

Session Classification: Lectures

Contribution ID: **90**

Type: **not specified**

How do I manage applications: Containers

Monday, 23 October 2023 11:20 (1h 40m)

Presenter: CIANGOTTINI, Diego (INFN Perugia)

Session Classification: Lectures

Contribution ID: 91

Type: **not specified**

Introduction to the project: Working with image data

Monday, 23 October 2023 16:40 (1h 20m)

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

Session Classification: Hands On

Contribution ID: 92

Type: **not specified**

Exercises with containers

Monday, 23 October 2023 14:20 (1 hour)

Presenter: CIANGOTTINI, Diego (INFN Perugia)

Session Classification: Lectures

Contribution ID: 93

Type: **not specified**

Introduction to the project: Working with image data

Monday, 23 October 2023 15:20 (1 hour)

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

Session Classification: Hands On

Contribution ID: 94

Type: **not specified**

Container Orchestration: a comprehensive overview

Tuesday, 24 October 2023 09:00 (1 hour)

Presenter: CIANGOTTINI, Diego (INFN Perugia)

Session Classification: Lectures

Contribution ID: 95

Type: **not specified**

How do I manage my data: Cloud Storage

Tuesday, 24 October 2023 10:00 (50 minutes)

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

Session Classification: Lectures

Contribution ID: 96

Type: **not specified**

Cloud Storage in practice. Guided exercise on storage: read and write data

Tuesday, 24 October 2023 11:10 (1 hour)

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

Session Classification: Lectures

Contribution ID: 97

Type: **not specified**

Quick intro to Message queue (NATS): how to publish and subscribe

Tuesday, 24 October 2023 12:10 (50 minutes)

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

Session Classification: Lectures

Contribution ID: 98

Type: **not specified**

Dask data processing: What, Why and When

Tuesday, 24 October 2023 14:20 (1 hour)

Presenter: TEDESCHI, Tommaso (Università e INFN Perugia)

Session Classification: Hands On

Contribution ID: 99

Type: **not specified**

Student project

Tuesday, 24 October 2023 15:20 (1 hour)

Session Classification: Hands On

Contribution ID: **100**

Type: **not specified**

Student Project

Tuesday, 24 October 2023 16:50 (1h 10m)

Session Classification: Hands On

Contribution ID: **101**

Type: **not specified**

Machine Learning: Basics

Wednesday, 25 October 2023 09:00 (1 hour)

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

Session Classification: Lectures

Contribution ID: **102**

Type: **not specified**

Machine Learning: Neural Networks

Wednesday, 25 October 2023 10:00 (50 minutes)

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

Session Classification: Lectures

Contribution ID: **103**

Type: **not specified**

Computer Vision with Deep Learning: Basics

Wednesday, 25 October 2023 11:10 (1 hour)

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

Session Classification: Lectures

Contribution ID: **104**

Type: **not specified**

Guided exercise: Out of memory with Dask

Wednesday, 25 October 2023 12:10 (1 hour)

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

Session Classification: Lectures

Contribution ID: **105**

Type: **not specified**

Hands-on: OOM Deep Learning on MNIST

Wednesday, 25 October 2023 14:20 (1 hour)

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

Session Classification: Hands On

Contribution ID: **106**

Type: **not specified**

Student Project

Wednesday, 25 October 2023 15:20 (1 hour)

Session Classification: Hands On

Contribution ID: **107**

Type: **not specified**

Student Project

Wednesday, 25 October 2023 16:40 (1h 20m)

Session Classification: Hands On

Contribution ID: **108**

Type: **not specified**

Distributed Computing. Batch and interactive data processing

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

Session Classification: Lectures

Contribution ID: **109**

Type: **not specified**

From Local Dask to Distributed Dask

Presenter: TEDESCHI, Tommaso (Università e INFN Perugia)

Session Classification: Lectures

Contribution ID: **110**

Type: **not specified**

Pipeline composition via MLFlow: Connecting the dots

Thursday, 26 October 2023 11:10 (1h 50m)

Presenter: TEDESCHI, Tommaso (Università e INFN Perugia)

Session Classification: Lectures

Contribution ID: 111

Type: **not specified**

Guided Exercise on: Building your pipeline with workflow automation

Thursday, 26 October 2023 14:20 (1 hour)

Presenter: CIANGOTTINI, Diego (INFN Perugia)

Session Classification: Hands On

Contribution ID: 112

Type: **not specified**

Student Project

Thursday, 26 October 2023 15:20 (1 hour)

Session Classification: Hands On

Contribution ID: **113**

Type: **not specified**

Student Project

Thursday, 26 October 2023 16:40 (1h 20m)

Session Classification: Hands On

Contribution ID: 114

Type: **not specified**

From Local Dask to Distributed Dask

Friday, 27 October 2023 09:00 (1 hour)

Summary

Presenter: TEDESCHI, Tommaso (Università e INFN Perugia)

Session Classification: Final session

Contribution ID: **115**

Type: **not specified**

Time for survey

Friday, 27 October 2023 10:00 (1 hour)

Session Classification: Final session