

**AP-INT-1: Physical and
computational technologies
applied to cultural heritage,
environment and biomedicine**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction to the course

Monday, 13 June 2022 11:00 (30 minutes)

Diagnostics and conservation of cultural heritage

Presenter: Prof. FALCIANO , Speranza (GSSI)

Contribution ID: 2

Type: **not specified**

Diagnostics, conservation and restoration of cultural heritage : a general introduction

Monday, 13 June 2022 11:30 (1h 30m)

Diagnostics and conservation of cultural heritage

Presenter: Prof. PIERO , Mando'

Contribution ID: 3

Type: **not specified**

Ion beam analysis and dating techniques

Tuesday, 14 June 2022 16:00 (1 hour)

Diagnostics and conservation of cultural heritage

Presenter: Prof. FEDI, Mariaelena

Contribution ID: 4

Type: **not specified**

Diagnostic techniques with portable instruments: X-Ray Fluorescence as a tool for Cultural Heritage

Wednesday, 15 June 2022 14:30 (1 hour)

Diagnostics and conservation of cultural heritage

Presenters: DI GIOVANNI, Adriano (Gran Sasso Science Institute); Dr ROBERTS, Henry (NYUAD)

Contribution ID: 5

Type: **not specified**

The use of drones for remote sensing

Thursday, 16 June 2022 15:00 (1 hour)

Diagnostics and conservation of cultural heritage

Presenter: Prof. STAGNINI, Enrico (GSSI)

Contribution ID: 6

Type: **not specified**

The use of information technology for cultural heritage

Friday, 17 June 2022 14:30 (1 hour)

Diagnostics and conservation of cultural heritage

Presenter: Prof. ALESSANDRO, Bombini

Contribution ID: 7

Type: **not specified**

Introduction

Monday, 20 June 2022 14:30 (15 minutes)

Environment

Presenter: Prof. FALCIANO , Speranza (GSSI)

Contribution ID: 8

Type: **not specified**

Atmospheric particulate analysis: general introduction and influence on climate change

Monday, 20 June 2022 14:45 (1 hour)

Environment

Presenter: Prof. FRANCO, Lucarelli

Contribution ID: 9

Type: **not specified**

The use of accelerators for the study of atmospheric particulate matter

Tuesday, 21 June 2022 14:30 (1 hour)

Environment

Presenter: Prof. GIARDI, Fabio

Contribution ID: **10**

Type: **not specified**

Mathematical methods for the data analysis of atmospheric particulate matter

Wednesday, 22 June 2022 14:30 (1 hour)

Environment

Presenter: Prof. NAVA, Silvia

Contribution ID: **11**

Type: **not specified**

Introduction

Thursday, 23 June 2022 14:30 (15 minutes)

Medical Physics

Presenter: Prof. FALCIANO , Speranza (GSSI)

Contribution ID: 12

Type: **not specified**

Data analysis in medical physics

Thursday, 23 June 2022 14:45 (1 hour)

Medical Physics

Presenter: Prof. RETICO, Alessandra

Contribution ID: 13

Type: **not specified**

Artificial intelligence for the study of neurodegenerative diseases

Friday, 24 June 2022 14:00 (1 hour)

Medical Physics

Presenter: Prof. BELLOTTI, Roberto

Contribution ID: 14

Type: **not specified**

The use of accelerators for the treatment of cancer

Monday, 27 June 2022 14:30 (1 hour)

Medical Physics

Presenter: Prof. CUTTONE, Giacomo

Contribution ID: 15

Type: **not specified**

Introduction

Tuesday, 28 June 2022 14:30 (15 minutes)

Social Impact

Presenter: Prof. FALCIANO , Speranza (GSSI)

Contribution ID: 16

Type: **not specified**

Social impact of the interdisciplinary physics applications

Tuesday, 28 June 2022 14:45 (1 hour)

Social Impact

Presenter: Prof. DAL MOLIN, Martina