Data Science Applications in Physics, Balkan School in Tirana 2024



Report of Contributions

https://indico.cern.ch/e/1308067

Students' registration

Contribution ID: 46

Type: not specified

Students' registration

Monday 22 January 2024 12:00 (15 minutes)

Opening / welcoming speech

Contribution ID: 47

Type: not specified

Opening / welcoming speech

Monday 22 January 2024 12:15 (10 minutes)

Primary author: Prof. HAFIZI, Mimoza (National Institute of Physics, Academy of Sciences of Albania)

Presenter: Prof. HAFIZI, Mimoza (National Institute of Physics, Academy of Sciences of Albania)

Monte Carlo tools for the CMS ex \cdots

Contribution ID: 48

Type: not specified

Monte Carlo tools for the CMS experiment.

Monday 22 January 2024 14:15 (1 hour)

Presenter: Dr MARGJEKA, Ilirjan (University of Bari, INFN, Italy)

Artificial intelligence. Machine le …

Contribution ID: 50

Type: not specified

Artificial intelligence. Machine learning applications in physics.

Monday 22 January 2024 15:25 (1 hour)

Presenter: Prof. KAMBERAJ, Hiqmet (International Balkan University, North Macedonia)

Machine learning in high energy ····

Contribution ID: 51

Type: not specified

Machine learning in high energy physics and more: Hands-on session.

Tuesday 23 January 2024 12:00 (1 hour)

Presenter: Prof. DE FILIPPIS, Nicola (Politecnico di Bari & INFN Bari, Italy)

The replica method.

Contribution ID: 53

Type: not specified

The replica method.

Tuesday 23 January 2024 14:30 (1h 30m)

Presenter: Dr KERBIZI, Albi (University of Trieste & INFN Trieste, Italy)

Radiotherapy with hadrons.

Contribution ID: 54

Type: not specified

Radiotherapy with hadrons.

Wednesday 24 January 2024 12:00 (2 hours)

Presenter: Dr LOPEZ, Dayron Ramos (Politecnico di Bari & INFN Bari, Italy)

Nanotechnology in the ranostics.

Contribution ID: 55

Type: not specified

Nanotechnology in theranostics.

Wednesday 24 January 2024 14:30 (1 hour)

Presenter: Prof. ZIBERI, Bashkim (University of Tetova, North Macedonia)

Data Science Ap ··· / Report of Contributions

Lab. activity on radioactivity ...

Contribution ID: 57

Type: not specified

Lab. activity on radioactivity: Hands-on session.

Thursday 25 January 2024 11:00 (2 hours)

Presenter: Mr FERRARA, Nicola (Politecnico di Bari & INFN Bari, Italy)

Signal processing and data analy \cdots

Contribution ID: 61

Type: not specified

Signal processing and data analysis for plasma spectroscopy.

Friday 26 January 2024 09:00 (1h 30m)

Presenter: Dr GOJANI, Ardian (Secopta Analytics, Germany)

Certificates distribution and closi \cdots

Contribution ID: 63

Type: not specified

Certificates distribution and closing speech

Friday 26 January 2024 11:00 (15 minutes)

Recent achievement in the field of \cdots

Contribution ID: 64

Type: not specified

Recent achievement in the field of point-of-care diagnostics.

Wednesday 24 January 2024 15:40 (1 hour)

Presenter: Prof. YMETI, Aurel (Nanoalmyona BV, The Netherlands)

Modelling, numerical physics and …

Contribution ID: 65

Type: not specified

Modelling, numerical physics and mathematical physics.

Monday 22 January 2024 16:25 (1 hour)

Primary author: Dr HIREMATH, Sandesh (Institute for Mechanical and Process Engineering, RPTU, Germany)

Co-author: Prof. BAJCINCA, Naim (Institute for Mechanical and Process Engineering, RPTU, Germany)

Presenters: Prof. BAJCINCA, Naim (Institute for Mechanical and Process Engineering, RPTU, Germany); Dr HIREMATH, Sandesh (Institute for Mechanical and Process Engineering, RPTU, Germany)

Implementation of the replica me \cdots

Contribution ID: 66

Type: not specified

Implementation of the replica method in a ROOT program: Hands-on session.

Tuesday 23 January 2024 16:10 (1 hour)

Presenter: Dr KERBIZI, Albi (University of Trieste & INFN Trieste, Italy)

Data Science Ap ··· / Report of Contributions

Contemporary topics in condens ...

Contribution ID: 67

Type: not specified

Contemporary topics in condensed matter physics.

Thursday 25 January 2024 15:40 (1h 30m)

Presenter: Prof. CIFTJA, Orion (Prairie View A&M University, USA)

Data Science Ap · · · / Report of Contributions

Monte Carlo tools for the CMS ex $\,\cdots\,$

Contribution ID: 68

Type: not specified

Monte Carlo tools for the CMS experiment: Hands-on session.

Tuesday 23 January 2024 13:00 (1 hour)

Presenter: Dr MARGJEKA, Ilirjan (INFN Bari & CERN, Italy)

Computer vision.

Contribution ID: 69

Type: not specified

Computer vision.

Thursday 25 January 2024 13:00 (1 hour)

Presenter: Dr KAFEXHIU, Ervin (Faculty of Natural Sciences, University of Tirana)

Machine learning in high energy ····

Contribution ID: 70

Type: not specified

Machine learning in high energy physics and more.

Monday 22 January 2024 12:45 (1 hour)

Presenter: Prof. DE FILIPPIS, Nicola (Politecnico di Bari & INFN Bari, Italy)

Vera Rubin vs Elon Musk: unders …

Contribution ID: 72

Type: not specified

Vera Rubin vs Elon Musk: understanding the dark universe under a brightening sky.

Friday 26 January 2024 10:30 (30 minutes)

Presenter: Dr CARASSOU, Sébastien (Société des Astronomes de France)

Solving differential equations usi ...

Contribution ID: 73

Type: not specified

Solving differential equations using physically informed neural networks (PINNs).

Thursday 25 January 2024 14:30 (1 hour)

Presenter: Dr PEQINI, Klaudio (Faculty of Natural Sciences, University of Tirana)

Opening / welcoming speech

Contribution ID: 74

Type: not specified

Opening / welcoming speech

Monday 22 January 2024 12:25 (10 minutes)

Primary author: Dr BUCCI, Fabrizio (Italian Ambassador in Albania)Presenter: Dr BUCCI, Fabrizio (Italian Ambassador in Albania)

Opening / welcoming speech

Contribution ID: 75

Type: not specified

Opening / welcoming speech

Monday 22 January 2024 12:35 (10 minutes)

Primary author: Mr RUGGERA, Alessandro (Director, Italian Cultural Institute in Tirana)Presenter: Mr RUGGERA, Alessandro (Director, Italian Cultural Institute in Tirana)

Visit at the Institute of Applied N $\,\cdots\,$

Contribution ID: 76

Type: not specified

Visit at the Institute of Applied Nuclear Physics

Thursday 25 January 2024 10:00 (1 hour)