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International Centre for Theoretical Physics

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6 ICTP
1964–2024

The CODATA-RDA Advanced Workshops for Research Data Science

Description:

The advanced workshops are a week-long hands-on activity that exposes participants to advanced techniques/approaches in specialized areas. Participants are expected to have a suitable background or have participated in a prior Summer School part of this activity.

MORE DETAILS:

Three applied/thematic workshops on Research Data Science will run in parallel:

Workshop 1: Big-Data Analytics
(Lead instructor: Ekpe Okorafor and Ishaku Anaobi)

- Analysis of Large Scale Real-Time and Streaming Data
- Real time event processing, low latency query and visualization
- Hands-on sessions on data ingesting and tools for capturing real time events/ streams, processing, low latency query and visualization

Workshop 2: Compute Infrastructure
(Lead instructors: Rob Quick and Raphael Cobe)

- Data analysis tasks (from laptops to HPC platforms)
- Deploying and using applications (jupyter notebooks) on laptops and HPC clusters
- A look at large scale data analysis on Cloud Computing Platforms

Workshop 3: Smart Cities and Urban Environments
(Lead instructors: S. Gandhi and V. Van Den Eynden)

- Challenges of data-driven approach
- Basics of urban data: creation & crowd data sourcing
- Methodologies and technologies for integration, analysis, visualisation and exploration
- Metropolitan policies on data and its ethical use

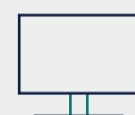### Call for Contributed Abstracts:

All applicants are requested to submit an abstract for a poster presentation. Abstract templates are available on the workshop web page.

26 - 30 August 2024

Trieste, Italy

Deadline:
28 June 2024

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FURTHER INFORMATION:

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Female scientists are encouraged to apply.

GRANTS:
A limited number of grants are available to support the attendance of selected participants from developing countries. There is no registration fee.

Individuals seeking an introduction to Research Data Science can apply to The CODATA-RDA School that runs immediately before the workshops.