

# The CODATA-RDA Research Data Science Advanced Workshops



**25 - 29 July 2022**  
**An ICTP Meeting**  
**Trieste, Italy**

Further information:  
<http://indico.ictp.it/event/9935/>  
[smr3766@ictp.it](mailto:smr3766@ictp.it)

During this activity, two applied/thematic workshops on Research Data Science will run in parallel:

## **IoT and Big Data Analytics:**

This workshop presents the analysis of vast amounts of data produced by embedded devices, sensors, appliances and other data-collecting systems in real time using new processes and tools for collecting, storing and processing IoT big data, event/streaming data. Participants should be familiar with software installation and programming in R or Java or Python.

## **Extreme Sources of Data:**

This workshop introduces the basics relative to a cut-and-count particle physics analysis as performed in the ATLAS Collaboration (Large Hadron Collider). Topics to be covered include phenomenological, experimental and data-analysis aspects of the Standard Model; software development and tools for analysis and reproducible science and sharing. Participants should have taken at least one university-level course on Particle Physics.

## **Directors:**

**E. OKORAFOR**, Big Data Academy, Accenture, USA  
**L. SERKIN**, ICTP, Italy  
**M. ZENNARO**, ICTP, Italy

## **How to apply:**

Online application:  
<http://indico.ictp.it/event/9935/>

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.

## **Deadlines:**

For applications needing financial support and/or visa  
**5 June 2022**

For applications not needing financial support and/or visa  
**24 June 2022**



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