The CODATA-RDA School for Research Data Science

Descrption:

This activity focuses on building a range of data-related skills that are vital for addressing trans-disciplinary challenges in contemporary research work.

The Summer School builds competence in data analysis and security for participants from all disciplines and/ or backgrounds from sciences to humanities. Topics to be covered include principles and practice of research data management, authorship in the 21st century, data curation, data security, Open Science, visualization, machine learning and artificial neural networks.

The activity includes practical hands-on sessions on techniques and applications for large-scale data handling, analysis, visualization and modeling on a variety of compute infrastructure including high performance compute platforms/ systems.

TOPICS:

- Introduction to the Unix shell
- Research Data Management
- Open and Responsible Research
- Author Carpentry
- Information Security
- Data Visualisation
- Machine Learning
- Artificial Neural Networks
- Computational Infrastructures

SPEAKERS:

L. M. BEZUIDENHOUT
CWTS, University of Leiden, Netherlands
R. CÓBE
UNESP, Brazil, S. DIGGS, University of California, USA
S. EL JADID
Queens University, Belfast, USA
S. GANDHI
University of Salzburg, Austria
A. NOBES
INASP, UK

E. OKORAFOR
Accenture, USA and NBU, Nigeria
B. PETERSON
Fathom Data, South Africa
R. QUICK
Indiana University, USA
H. SHANAHAN
Royal Holloway, University of London, UK
S. VENKATARAMAN
Edinburgh, UK

Call for Contributed Abstracts:

All applicants are requested to submit an abstract for a poster presentation. Abstract templates are available below for download.

Individuals with a background in IoT/Big-Data Analytics and Compute Infrastructure can apply to one of the Advanced Workshops that run immediately after the school.

12 - 23 August 2024

Trieste, Italy

Deadline: 24 June 2024

DIRECTORS:

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LOCAL ORGANISER:

C. ONIME, ICTP, Italy

FURTHER INFORMATION:

E-mail: smr3962@ictp.it

Web: https://indico.ictp.it/event/10500/

Female scientists are encouraged to apply.

GRANTS:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries.
There is no registration fee.