The CODATA-RDA School for Research Data Science

ICTP

31 July - 11 August 2023
An ICTP Meeting
Trieste, Italy

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

Directors:

M. ALFARO-CORDOBA, University of California, Santa Cruz, USA
L. M. BEZUIDENHOUT, DANS, Netherlands
R. CÓBE, UNESP, Brazil
S. EL JADID, Queens University, Belfast, USA
S. D. HODSON, CODATA, France
R. QUICK, Indiana University, USA
H. SHANAHAN, Royal Holloway, University of London, UK
S. VENKATARAMAN, OpenAIRE, UK

Description:

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

Local Organiser:

C. ONIME, ICTP, Italy

Speakers:

M. ALFARO-CORDOBA, University of California, Santa Cruz, USA
L. M. BEZUIDENHOUT, DANS, Netherlands
R. CÓBE, UNESP, Brazil
S. DIGGS, Scripps Institution of Oceanography/ UCSD, USA
D. DONALDSON, Indiana University, USA
S. EL JADID, Queens University, Belfast, USA
A. NOBES, INASP, UK
E. OKORAFOR, Big Data Academy Accenture Digital - Analytics, USA
B. PETERSON, Fathom Data, South Africa
R. QUICK, Indiana University, USA
H. SHANAHAN, Royal Holloway, University of London, UK
S. VENKATARAMAN, OpenAIRE, UK
B. WALKER, Research Data Alliance, UK

How to apply:

Online application:
http://indico.ictp.it/event/10195/

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.

Deadline:

6 June 2023

RDA
RESEARCH DATA ALLIANCE

CODATA
COMMITTEE ON DATA
INTERNATIONAL SCIENCE COUNCIL

ICTP
The Abdus Salam
International Centre for Theoretical Physics
www.ictp.it
Trieste, Italy

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