The CODATA-RDA Research Data Science Summer School

ICTP

11 - 22 July 2022
An ICTP Hybrid Meeting
Trieste, Italy

Further information:
http://indico.ictp.it/event/9806/
smr3685@ictp.it

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

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.

An associated activity focusing on advanced aspects of Data Science will run immediately after this event and requires a separate application.

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

Directors:

M. ALFARO-CORDOBA, University of California, Santa Barbara, USA
L. BEZUIDENHOUT, DANS, The Hague, Netherlands
S. DIGGS, Scripps Institution of Oceanography / UCSD, USA
S. EL JADID, Queens University, Belfast, USA
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E. OKORAFOR, Big Data Academy Accenture Digital - Analytics, USA
B. PETERSON, North-West University Biological Sciences, Microbiology, South Africa
R.QUICK, Indiana University, USA
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H. SHORT, CERN, Switzerland
S. VENKATARAMAN, Digital Curation Centre, University of Edinburgh, UK

Local Organiser:

C. ONIME, ICTP, Italy

How to apply:

Online application:
http://indico.ictp.it/event/9806/

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.

Deadline:

for applications in presence needing financial support and/or visa
1 June 2022

for online applications
24 June 2022

IYBSSD2022
International Year of Basic Sciences for Sustainable Development

COMMITTEE ON DATA
CODATA
INTERNATIONAL SCIENCE COUNCIL

RDA
RESEARCH DATA ALLIANCE

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