7th International School on Big Data
🔊 BigDat 2021 Spring
Beersheba, Israel – April 18–22, 2021

Keynotes

Maria Girone (European Organization for Nuclear Research) – **Big Data Challenges at the CERN HL-LHC**

Lisa Schurer Lambert (Oklahoma State University) – **Research Methods as a Lens: How We Know What We Know**

Courses

Thomas Bäck & Hao Wang (Leiden University) [introductory/intermediate] **Data Driven Modeling and Optimization for Industrial Applications**

Paul Bliese (University of South Carolina) [introductory/intermediate] **Using R for Mixed-effects (Multilevel) Models**

Gianluca Bontempi (Université Libre de Bruxelles) [intermediate/advanced] **Machine Learning against Credit-card Fraud: Lessons Learned from a Real Case**

Altan Cakir (Istanbul Technical University) [intermediate] **Big Data Analytics with Apache Spark**

Michael X. Cohen (Radboud University Nijmegen) [introductory] **Dimension Explosion and Dimension Reduction in Brain Electrical Activity**

Ramez Elmasri (University of Texas, Arlington) [intermediate] **Spatial, Temporal, and Spatio-Temporal Data**

Ian Fisk (Flatiron Institute) [introductory] **The Infrastructure to Support Data Science**

Michael Freeman (University of Washington) [intermediate] **Interactive Data Visualization Using D3 + Observable**

David Gerbing (Portland State University) [introductory] **Derive Meaning from Data with R Visualizations**

Christopher W.V. Hogue (Ericsson Inc.) [introductory] **Applied Information Theory for Scalable Database Schema and Query Templates**

Ravi Kumar (Google) [intermediate/advanced] **Clustering for Big Data**

Victor O.K. Li (University of Hong Kong) [intermediate] **Deep Learning and Applications**

B.S. Manjunath (University of California, Santa Barbara) [introductory] **Digital Media Forensics**

Wladek Minor (University of Virginia) [introductory/Advanced] **Big Data in Biomedical Sciences**

José M.F. Moura (Carnegie Mellon University) [introductory] **Graph Signal Processing**

Panos Pardalos (University of Florida) [intermediate/advanced] **Optimization and Data Sciences Techniques for Large Networks**

Valeriu Predoi (University of Reading) [introductory] **A Beginner's Guide to Big Data Analysis: How to Connect Scientific Software Development with Real World Problems**

Karsten Reuter (Max Planck Society) [introductory/intermediate] **Machine Learning for Materials and Energy Applications**

Ramesh Sharda (Oklahoma State University) [introductory/intermediate] **Network-based Health Analytics**

Steven Skiena (Stony Brook University) [introductory/intermediate] **Word and Graph Embeddings for Machine Learning**

Alexandre Vaniachine (VirtualHealth) [intermediate] **Open-source Columnar Databases**

Sebastián Ventura (University of Córdoba) [intermediate/advanced] **Supervised Descriptive Pattern Mining**

Xiaowei Xu (University of Arkansas, Little Rock) [introductory/advanced] **Language Models and Applications**

Organizers:

More info: https://irdta.eu/bigdat2021s

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