


7th International School on Big Data

 BigDat 2021 Spring

Beersheba, Israel - April 18-22, 2021




Keynotes

 Maria Gironi (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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