




7th International School on Big Data

 BigDat 2021 Autumn

























Beersheba, Israel – October 10–14, 2021



Keynotes

-  Valerie Daggett (University of Washington) – **Dynameomics: From Atomistic Simulations of All Protein Folds to the Discovery of a New Protein Structure to the Design of a Diagnostic Test for Alzheimer's Disease**
-  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

-  Paolo Adesso (introductory/intermediate) [introductory] **Data Fusion for Remotely Sensed Data**
-  Thomas Bäck & Hao Wang (Leiden University) [introductory/intermediate] **Data Driven Modeling and Optimization for Industrial Applications**
-  Marcelo Bertalmio (Pompeu Fabra University) [intermediate] **Novel Vision Models in Image Processing, and How They Can Improve Artificial Neural Networks**
-  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**
-  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**
-  Miriam Sturkenboom (University Medical Center Utrecht) [intermediate] **Data Transformation Pipeline from Heterogeneous Existing Big Health Data into Real World Evidence**
-  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/bigdat2021a>



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