
INTERNATIONAL WINTER SCHOOL ON BIG DATA

BigDat 2015

Tarragona, Spain

January 26-30, 2015

Organized by
Rovira i Virgili University

<http://grammars.grlmc.com/bigdat2015/>

--- Early registration deadline: January 23, 2015 ---

AIM:

BigDat 2015 is a research training event for graduates and postgraduates in the first steps of their academic career. It aims at updating them about the most recent developments in the fast developing area of big data, which covers a large spectrum of current exciting research, development and innovation with an extraordinary potential for a huge impact on scientific discoveries, medicine, engineering, business models, and society itself. Renowned academics and industry pioneers will lecture and share their views with the audience.

All big data subareas will be displayed, namely: foundations, infrastructure, management, search and mining, security and privacy, and applications. Main challenges of analytics, management and storage of big data will be identified through 4 keynote lectures, 22 six-hour courses, and 1 round table, which will tackle the most lively and promising topics. The organizers believe outstanding speakers will attract the brightest and most motivated students. Interaction will be a main component of the event.

ADDRESSED TO:

Graduate and postgraduates from around the world. There are no formal pre-requisites in terms of academic degrees. However, since there will be differences in the course levels, specific knowledge background may be required for some of them.

BigDat 2015 is also appropriate for more senior people who want to keep themselves updated on recent developments and future trends. They will surely

find it fruitful to listen and discuss with major researchers, industry leaders and innovators.

REGIME:

In addition to keynotes, 3 courses will run in parallel during the whole event. Participants will be able to freely choose the courses they will be willing to attend as well as to move from one to another.

VENUE:

BigDat 2015 will take place in Tarragona, located 90 kms. to the south of Barcelona. The venue will be:

Campus Catalunya
Universitat Rovira i Virgili
Av. Catalunya, 35
43002 Tarragona

KEYNOTE SPEAKERS:

Ian Foster (Argonne National Laboratory), Taming Big Data: Accelerating Discovery via Outsourcing and Automation

Geoffrey C. Fox (Indiana University, Bloomington), Mapping Big Data Applications to Clouds and HPC

C. Lee Giles (Pennsylvania State University, University Park), Scholarly Big Data: Information Extraction and Data Mining

William D. Gropp (University of Illinois, Urbana-Champaign), Using MPI I/O for Big Data

COURSES AND PROFESSORS:

Hendrik Blockeel (KU Leuven), [intermediate] Decision Trees for Big Data Analytics

Diego Calvanese (Free University of Bozen-Bolzano), [introductory/intermediate] End-User Access to Big Data Using Ontologies

Jiannong Cao (Hong Kong Polytechnic University), [introductory/intermediate] Programming with Big Data

Edward Y. Chang (HTC Corporation, New Taipei City), [introductory/advanced] Big Data Analytics: Architectures, Algorithms, and Applications

Ernesto Damiani (University of Milan), [introductory/intermediate] Process Discovery and Predictive Decision Making from Big Data Sets and Streams

Gautam Das (University of Texas, Arlington), [intermediate/advanced] Mining Deep Web Repositories

Maarten de Rijke (University of Amsterdam), tba

Geoffrey C. Fox (Indiana University, Bloomington), [intermediate] Using Software Defined Systems to Address Big Data Problems

Minos Garofalakis (Technical University of Crete, Chania) [intermediate/advanced], Querying Continuous Data Streams

Vasant G. Honavar (Pennsylvania State University, University Park) [introductory/intermediate], Learning Predictive Models from Big Data

Tao Li (Florida International University, Miami), [introductory/intermediate] Data Mining Techniques to Understand Textual Data

Kwan-Liu Ma (University of California, Davis), [intermediate] Big Data Visualization

Christoph Meinel (Hasso Plattner Institute, Potsdam), [introductory/intermediate] New Computing Power by In-Memory and Multicore to Tackle Big Data

Manish Parashar (Rutgers University, Piscataway), [intermediate] Big Data Challenges in Simulation-based Science

Srinivasan Parthasarathy (Ohio State University, Columbus), [intermediate] Scalable Data Analysis

Evaggelia Pitoura (University of Ioannina), [introductory/intermediate] Online Social Networks

Vijay V. Raghavan (University of Louisiana, Lafayette), [introductory/intermediate] Visual Analytics of Time-evolving Large-scale Graphs

Pierangela Samarati (University of Milan), [intermediate], Data Security and Privacy in the Cloud

Peter Sanders (Karlsruhe Institute of Technology), [introductory/intermediate] Algorithm Engineering for Large Data Sets

Johan Suykens (KU Leuven), [introductory/intermediate] Fixed-size Kernel Models for Big Data

Domenico Talia (University of Calabria, Rende), [intermediate] Scalable Data Mining on Parallel, Distributed and Cloud Computing Systems

Jieping Ye (Arizona State University, Tempe), [introductory/advanced] Large-Scale Sparse Learning and Low Rank Modeling

ORGANIZING COMMITTEE:

Adrian Horia Dediu (Tarragona)
Carlos Martín-Vide (Tarragona, chair)
Florentina Lilica Voicu (Tarragona)

REGISTRATION:

It has to be done at

<http://grammars.grlmc.com/bigdat2015/registration.php>

The selection of up to 8 courses requested in the registration template is only tentative and non-binding. For the sake of organization, it will be helpful to have an approximation of the respective demand for each course.

Since the capacity of the venue is limited, registration requests will be processed on a first come first served basis. The registration period will be closed and the on-line registration facility disabled when the capacity of the venue will be complete. It is much recommended to register prior to the event.

FEES:

As far as possible, participants are expected to stay full-time. Fees are a flat rate covering the attendance to all courses during the week. There are several early registration deadlines. Fees depend on the registration deadline.

ACCOMMODATION:

Suggestions of accommodation are available on the webpage.

CERTIFICATE:

Participants will be delivered a certificate of attendance.

QUESTIONS AND FURTHER INFORMATION:

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POSTAL ADDRESS:

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