DSSV 2017

Data Science, Statistics & Visualisation

12-14 JULY 2017
IST, Lisbon, Portugal

DATA SCIENCE, STATISTICS & VISUALISATION
a Satellite Conference of the 61st World Statistics Congress,
promoted by IASC

Conference Guide

Conference Guide

Data Science, Statistics & Visualisation 2017

12 – 14 July 2017

IST, Lisbon

dssv2017.iasc-isi.org

Sponsors:

Instituto Superior Técnico (IST) – University of Lisbon (UL)
International Association for Statistical Computing (IASC)
International Federation for Information Processing (IFIP)
International Statistical Institute (ISI)
Portuguese Statistical Society (SPE)
University of Aveiro (UA)

Andritz Pulp & Paper
Springer

Welcome

Dear participant,

Welcome to *Data Science, Statistics & Visualisation 2017*, a satellite conference of the 61st World Statistics Congress promoted by IASC.

The organizers thank all the people and institutions who helped make this conference a reality, in particular our generous sponsors, the scientific committee, and the invited speakers. We especially thank all the participants: you make this conference a success.

We wish you a fruitful conference and a pleasant stay in Lisbon.

Lisbon, July 2017

The Local Organizing Committee

Table of Contents

DSSV 2017

Data Science, Statistics & Visualisation (DSSV 2017) is the inaugural edition of a conference whose aim is to bring together researchers and practitioners in the interplay between computer science, statistics, and visualisation. We seek to build bridges between these diverse fields and provide a forum which facilitates exchanges between researchers. The conference also encourages informal contacts and discussions between the participants.

Scientific Programme Committee

       Peter Filzmoser, Vienna University of Technology, Austria (Chair)
       David Banks, Duke University, USA
       Fionn Murtagh, University of Derby, UK
       M. Rosário Oliveira, Instituto Superior Técnico, ULisboa, Portugal
       Patrick Groenen, Erasmus University Rotterdam, The Netherlands
       Patrick Mair, Harvard University, USA
       Silvia Miksch, Vienna University of Technology, Austria

Local Organizing Committee

       M. Rosário Oliveira, Instituto Superior Técnico, ULisboa, Portugal (Chair)
       Alexandre Francisco, Instituto Superior Técnico, ULisboa, Portugal
       Conceição Amado, Instituto Superior Técnico, ULisboa, Portugal
       Francisco Santos, Instituto Superior Técnico, ULisboa, Portugal
       Manuela Souto de Miranda, University of Aveiro, Portugal
       Patrícia Figueiredo, Instituto Superior Técnico, ULisboa, Portugal
       Ricardo Andrade, Instituto Superior Técnico, ULisboa, Portugal
       Sofia Naique, Instituto Superior Técnico, ULisboa, Portugal

Important Coordinates and Information

The conference is held at Instituto Superior Técnico (IST). The sessions and lectures take place in two separate buildings:

- The **NORTH TOWER (NT)** (*Torre Norte*), number 1 in the map below.
- **COMPLEXO INTERDISCIPLINAR (CI)**, number 2 in the map.
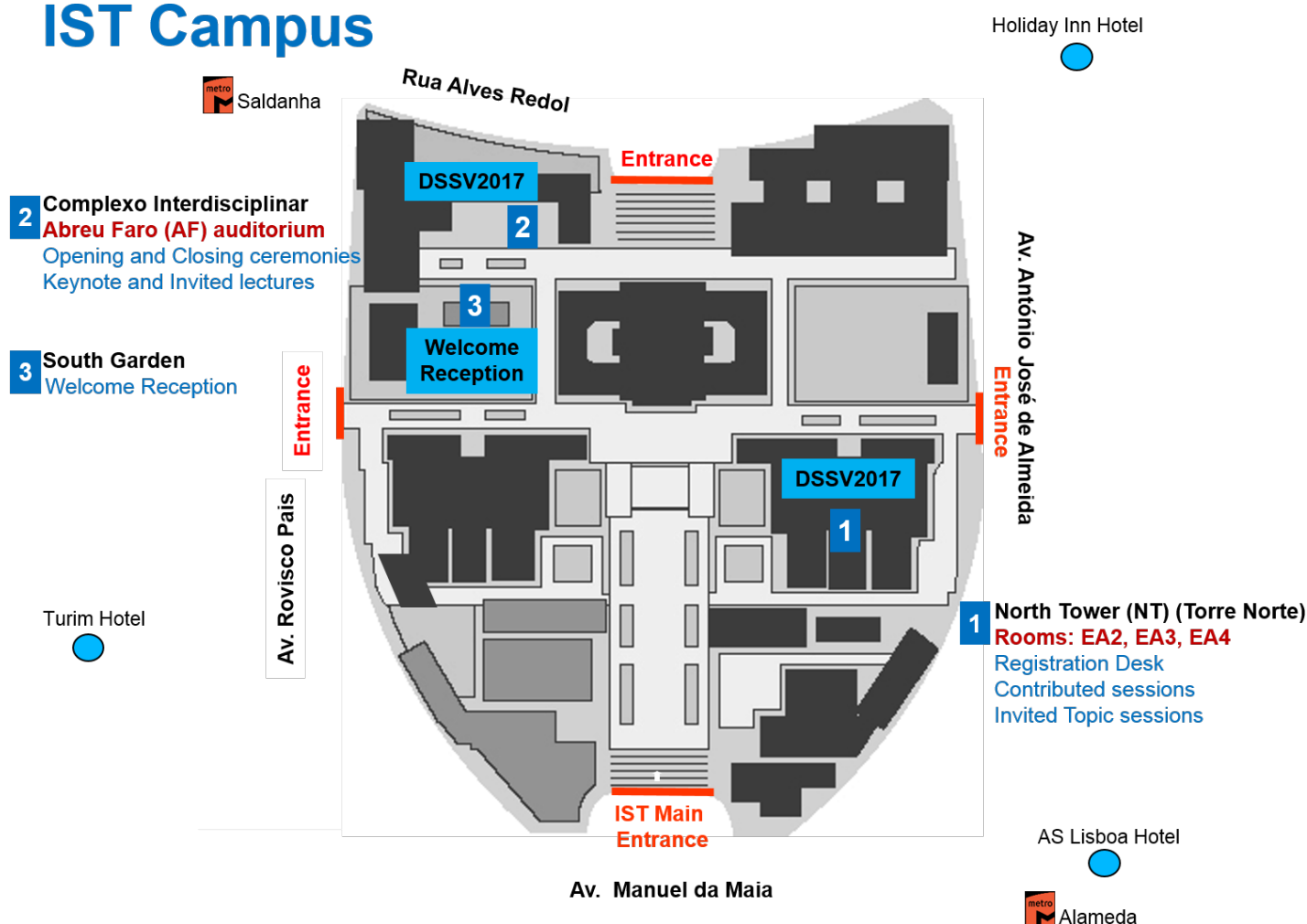
The lecture rooms for the conference are the following:

- The **parallel sessions** take place in **rooms EA2, EA3, EA4** in the NORTH TOWER. Room EA2 is on the ground floor of the North Tower; rooms EA3 and EA4 are on the first floor.
- The **keynote and invited lectures** take place in the **Abreu Faro (AF) auditorium** on the ground floor of COMPLEXO INTERDISCIPLINAR.

The **poster session** on Thursday and the coffee breaks take place on the first floor of the NORTH TOWER.

The **conference desk** and luggage storage are located in the hallway of the NORTH TOWER and they will be open from 8:15 am to 5:00 pm on Wednesday to Thursday, and on Friday from 8:30 am to 11:00 am .

Important for speakers: In case you wish to use the LCD projector for your lecture, please copy the file for your presentation to a USB pen, then contact the technical staff at your session's room.

Please do this at least 15 minutes before the beginning of your session.

You may use Google Indoor Maps to see the indoor layouts for buildings at Instituto Superior Técnico. On page 7 you have maps of the EA2, EA3 and EA4 rooms.

Internet Access

Instructions for Internet usage during DSSV 2017:

- Search the available wireless networks and select the one with SSID "tecnico-guest".
- Set IP to automatic (DHCP). This is typically the default setting, so you may usually skip this step.
- Open your browser and try to access any external website. You will be automatically redirected to the page https://wifi.ist.utl.pt/index_auth.php. Follow the link "Web based login" at the top of the page concerning short-time, conference and meetings accounts. Enter the following username and password when requested:

  Username: dssv2017
  Password: pGfTFb

- You are now free to browse and access the Internet. You may have to repeat the procedure above if you close your browser or if the connection times out.

Alternatively, you may access **eduroam**, the education roaming service.

Maps of the North Tower
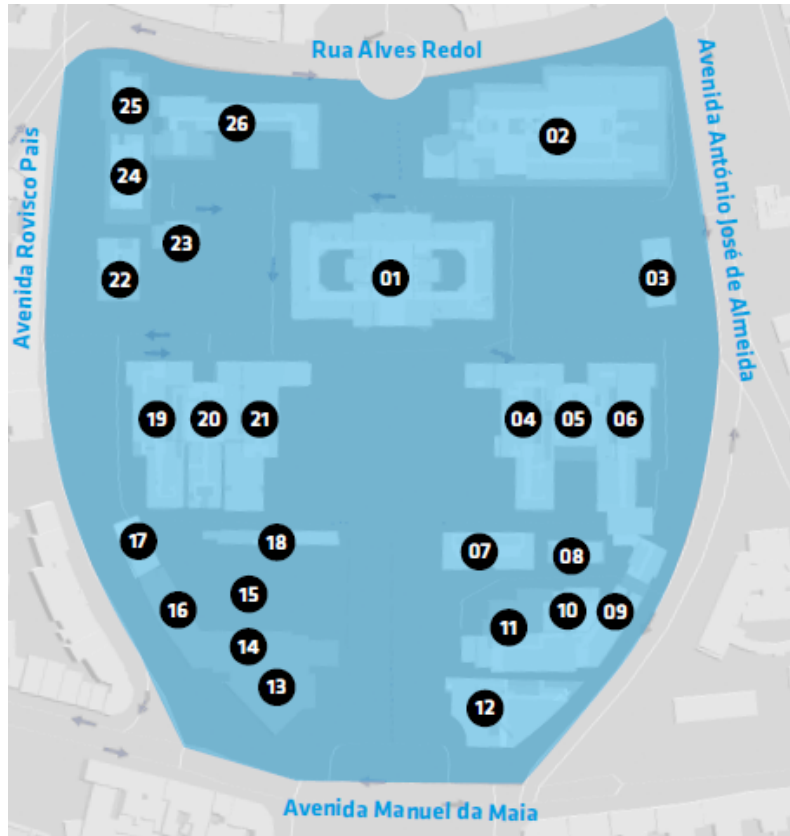## Rooms EA2, EA3, EA4

First floor

Ground floor

Lunch

There are several places to eat at the IST Campus buildings 01, 02, 05, 20, 24, 26.

01 Cafeteria
02 Cafeteria and Self-service restaurant
05 Cafeteria and Sena restaurant
20 Cafetaria
24 Cafeteria and Self-service restaurant
26 Cafeteria

Also there are several restaurants around IST (see list on page 28).

Wednesday, July 12, 2017

8:15–9:00	Registration	North Tower (NT)
9:00–9:30	Opening Ceremony	Abreu Faro auditorium (AF) - Complexo Interdisciplinar (CI)
9:30–10:30	**Keynote:** Trevor Hastie, *Statistical learning with sparsity*	AF (CI)
10:30–11:00	Coffee Break	NT
11:00–12:20	Contributed Paper Sessions I	EA2, EA3, EA4 (NT)
12:20–14:00	Lunch Break	
14:00–15:30	Invited Topic Sessions I	EA2, EA4 (NT)
15:30–15:45	Coffee Break	NT
15:45–16:45	Contributed Paper Sessions II	EA2, EA3, EA4 (NT)
16:45–17:00	Coffee Break	NT
17:00–18:00	Contributed Paper Sessions III	EA2, EA3, EA4 (NT)
18:30–20:00	Welcome Reception	South Garden (SG)

Thursday, July 13, 2017

9:00–9:45	André Martins, *From softmax to sparsemax*	AF (CI)
9:45–10:30	Myra Spiliopoulou, *Learning on timestamped medical data*	AF (CI)
10:30–11:00	Coffee Break	NT
11:00–12:20	Contributed Paper Sessions IV	EA2, EA3, EA4 (NT)
12:20–14:00	Lunch Break	
14:00–15:30	Invited Topic Sessions II	EA2, EA4 (NT)
15:30–15:45	Coffee Break	NT
15:45–17:05	Contributed Paper Sessions V	EA2, EA3, EA4 (NT)
17:05–17:20	Coffee Break	NT
17:20–18:40	Poster Session	NT
20:30–	Conference Dinner	

Friday, July 14, 2017

9:00–9:45	Mário Figueiredo, *Selection and clustering of correlated variables*	AF (CI)
9:45–10:30	Peter Rousseeuw, *Detecting anomalous data cells*	AF (CI)
10:30–11:00	Coffee Break	SG
11:00–11:45	Stephanie Sapp, *Performance of marketing attribution models*	AF (CI)
11:45–12:45	**Keynote:** Daniel Keim, *The role of visualization in data science*	AF (CI)
12:45–13:00	Closing Ceremony	AF (CI)

Programme

Wednesday, July 12, 2017

8:15–9:00	Registration	North Tower (NT)
9:00–9:30	Opening Ceremony	Abreu Faro auditorium (CI)
9:30–10:30	**Keynote Lecture: Trevor Hastie** *Statistical learning with sparsity* Room: AF (CI)	
10:30–11:00	Coffee Break	North Tower (NT)
11:00–12:20	Contributed Paper Sessions I	

Robust Statistics I Room: EA2(NT)	**Biomedics** Room: EA3 (NT)	**Clustering** Room: EA4 (NT)

12:20–14:00	Lunch Break
14:00–15:30	Invited Topic Sessions I

Classification and **Network Modelling** Room: EA2 (NT)	**Statistical Learning** **in Data Science** Room: EA4 (NT)

15:30–15:45	Coffee Break North Tower (NT)
15:45–16:45	Contributed Paper Sessions II

Robust Statistics II Room: EA2 (NT)	**Regression** **and Beyond** Room: EA3 (NT)	**Tools for** **Data Analytics** Room: EA4 (NT)

16:45–17:00	Coffee Break North Tower (NT)
17:00–18:00	Contributed Paper Sessions III

Applications I Room: EA2 (NT)	**Big Data** **Platforms** Room: EA4 (NT)

18:30–20:00	Welcome Reception	South Garden

Thursday, July 13, 2017

9:00–9:45	**Invited Lecture: André Martins** *From softmax to sparsemax: a sparse model of attention and multi-label classification* Room: AF (CI)
9:45–10:30	**Invited Lecture: Myra Spiliopoulou** *Learning on timestamped medical data* Room: AF (CI)
10:30–11:00	Coffee Break North Tower (NT)

11:00–12:20   Contributed Paper Sessions IV

Methods for Data Science Room: EA2 (NT)	**Time and Space** Room: EA3 (NT)	**Visualization I** Room: EA4 (NT)

12:20–14:00	Lunch Break

14:00–15:30   Invited Topic Sessions II

Visualization and Analysis of Modern Data Room: EA2 (NT)	**ISBIS Session** Room: EA4 (NT)

15:30–15:45	Coffee Break North Tower (NT)

15:45–17:05   Contributed Paper Sessions V

Applications II Room: EA2 (NT)	**Inference** Room: EA3 (NT)	**Visualization II** Room: EA4 (NT)

17:05–17:20	Coffee Break North Tower (NT)
17:20–18:40	Poster Session North Tower (NT)
20:30–	Conference Dinner

Friday, July 14, 2017

9:00–9:45	**Invited Lecture: Mário Figueiredo** *Selection and clustering of correlated variables* Room: AF (CI)
9:45–10:30	**Invited Lecture: Peter Rousseeuw** *Detecting anomalous data cells* Room: AF (CI)
10:30–11:00	Coffee Break
11:00–11:45	**Invited Lecture: Stephanie Sapp** *Performance of marketing attribution models* Room: AF (CI)
11:45–12:45	**Keynote Lecture: Daniel Keim** *The role of visualization in data science* Room: AF (CI)
12:45–13:00	Closing Ceremony Room: AF (CI)

Detailed Programme

Wednesday, 12 July 2017

Registration   8:15 − 9:00

Opening Ceremony   9:00 − 9:30

Keynote Lecture Session   9:30 − 10:30
Chair: Patrick Groenen, Room: Abreu Faro (CI)   Wednesday 12th

T. Hastie
Statistical learning with sparsity

Coffee Break: 10:30 − 11:00

Robust Statistics I   11:00 − 12:20
Chair: Peter Filzmoser, Room: EA2 (NT)   Wednesday 12th
Contributed Paper Session

P.J. Rousseeuw, **J. Raymaekers**, M. Hubert
A measure of directional outlyingness with applications to image data and video
11:00 − 11:20

Y. Wang, S. Van Aelst
Sparse principal component analysis based on least trimmed squares
11:20 − 11:40

H. Cevallos Valdiviezo, S. Van Aelst, M. Salibian-Barrera
Least trimmed squares estimators for functional principal component analysis
11:40 − 12:00

M. Debruyne, **S. Höppner**, S. Serneels, T. Verdonck
On sparse directions of maximal outlyingness
12:00 − 12:20

Biomedics

Chair: Wing Kam Fung, Room: EA3 (NT)

Wednesday 12th

Contributed Paper Session

M.B. Lopes, A. Veríssimo, E. Carrasquinha, S. Vinga
Consensus outlier detection in triple-negative breast cancer gene expression data
11:00–11:20

C. Arenas, **I. Irigoien**
Detection of differentially expressed genes by means of outlier detection
11:20–11:40

R. van den Berg, **L. De Mot**, G. Leroux-Roels, V. Bechtold, F. Clément, M. Coccia, E. Jongert, T.G. Evans, P. Gillard, R. van der Most
Transcriptional profiling of response to the candidate tuberculosis vaccine M72/AS01E for trial sampling time-point selection
11:40–12:00

A.H. Tavares, V. Afreixo, P. Brito
Clustering DNA words through distance distributions
12:00–12:20

Clustering

11:00–12:20

Chair: Ron Wehrens, Room: EA4 (NT)

Wednesday 12th

Contributed Paper Session

N. Bozkus
Lifting and clustering
11:00–11:20

S. Lubbe
Visualisations associated with bootstrapping cluster analysis
11:20–11:40

N.C. Chung
Evaluation of membership reliability in K-means clusters
11:40–12:00

R. Wehrens, J. Kruisselbrink
Data fusion with self-organising maps
12:00–12:20

Classification and Network Modelling 14:00−15:30

Chair: Berthold Lausen, Room: EA2 (NT) Wednesday 12th

Invited Topic Session in Collaboration with the European Association for Data Science

B. Lausen

Ensemble classification

14:00−14:30

I. Gollini

Latent variable modelling of interdependent ego-networks

14:30−15:00

A. Caimo

Improving the efficiency of Bayesian computation for network models

15:00−15:30

Statistical Learning in Data Science 14:00−15:30

Chair: Paula Brito, Room: EA4 (NT) Wednesday 12th

Invited Topic Session in Collaboration with the Portuguese Statistical Society

M.G.M.S. Cardoso

On clustering validation: the internal perspective

14:00−14:30

P.P. Rodrigues

Controversies in health data science

14:30−15:00

L. Torgo

Data pre-processing methods for forecasting with spatio-temporal data

15:00−15:30

Coffee Break: 15:30−15:45

Robust Statistics II

<div style="text-align: right">**15:45−16:45**</div>

Chair: Klaus Nordhausen, Room: EA2 (NT)

<div style="text-align: right">Wednesday 12th</div>

Contributed Paper Session

P. Segaert, S. Van Aelst, T. Verdonck
Robust joint modelling of mean and dispersion for the GLM framework
15:45−16:05

A. Kharin, **E. Vecherko**
Performance and robustness in statistical testing of hypotheses for data with Markov dependencies
16:05−16:25

R. Crevits, C. Croux
Forecasting with robust exponential smoothing with trend and seasonality
16:25−16:45

Regression and Beyond

<div style="text-align: right">**15:45−16:45**</div>

Chair: Mário Figueiredo, Room: EA3 (NT)

<div style="text-align: right">Wednesday 12th</div>

Contributed Paper Session

P. Macedo, J.P. Cruz
Entropy in high-dimensional variable selection
15:45−16:05

J. Wagner, R. Münnich
Regularized B-spline regression for high-dimensional scattered data
16:05−16:25

M.C. Costa, P. Macedo
Contributions to the analysis of inhomogeneous large-scale data using maximum entropy
16:25−16:45

Tools for Data Analytics

<div style="text-align: right">**15:45−16:45**</div>

Chair: Paulo C. Rodrigues, Room: EA4 (NT)

<div style="text-align: right">Wednesday 12th</div>

Contributed Paper Session

T. Savage, C. Hansen, A. Seyb
Providing analysts the tools they need within a modern National Statistics Office
15:45−16:05

M. Rupp, R. Münnich
A flexible optimization tool for multivariate optimal allocation problems under high-dimensional data
16:05–16:25

V. Ardelean
Data analysis with contaminated data
16:25–16:45

Coffee Break: 16:45–17:00

Applications I
Chair: Pieter Segaert, Room: EA2 (NT)
Contributed Paper Session

<div align="right">

17:00–18:00
Wednesday 12th
</div>

J.L. de Miranda, **M. Casquilho**
Computing over the Internet applied to data visualization: an illustrative example in geometry
17:00–17:20

J.M. Sanchez-Gomez, M.A. Vega-Rodriguez, C.J. Perez Sanchez, F. Calle-Alonso
Using word clouds as an e-learning analytics tool based on data visualization and statistics
17:20–17:40

D. Alptekin
Economic growth and tourism in Turkey: Hsiao's Granger causality analysis
17:40–18:00

Big Data Platforms
Chair: Klaus Nordhausen, Room: EA4 (NT)
Contributed Paper Session

<div align="right">

17:00–18:00
Wednesday 12th
</div>

R.M. Silva, L. Sampaio, P. Calado, M.J. Silva, A. Delgado
Matching administrative data for census purposes
17:00–17:20

E.J. Harner, M. Lilback, W. Foreman
Rspark: running R and Spark in Docker containers
17:20–17:40

L. Borke, S. Bykovskaya
BitQuery – a GitHub API driven and D3 based search engine for open source repositories
17:40–18:00

Welcome Reception 18:30

Thursday, 13 July 2017

Invited Lecture Session 9:00−10:30

Chair: Berthold Lausen, Room: Abreu Faro (CI)   Thursday 13th

A.F.T. Martins
From softmax to sparsemax: a sparse model of attention and multi-label classification
9:00−9:45

M. Spiliopoulou
Learning on timestamped medical data
9:45−10:30

Coffee Break: 10:30−11:00

Methods for Data Science 11:00−12:00

Chair: Patrick Groenen, Room: EA2 (NT)   Thursday 13th
Contributed Paper Session

S. Zhang, H.-S. Chen
More powerful test procedures for multiple hypothesis testing
11:00−11:20

E. Stoimenova
Incomplete ranking
11:20−11:40

E. Macedo, **A. Freitas**, M. Vichi
Clustering and disjoint principal component analysis: an empirical comparison of two approaches
11:40−12:00

Time and Space

11:00–12:20
Chair: Myra Spiliopoulou, Room: EA3 (NT)
Thursday 13th
Contributed Paper Session

P. Otto
Estimation, simulation, and visualization of spatial and spatiotemporal autoregressive conditional heteroscedasticity
11:00–11:20

M.H. Gonçalves, M.S. Cabral
Performance of statistical approaches to model binary responses in longitudinal studies
11:20–11:40

B. Alptekin, C.H. Aladag
Air pollution forecasting with time series neural networks models
11:40–12:00

C.S. Santos, I. Pereira, M.G. Scotto
Periodic multivariate INAR processes
12:00–12:20

Visualization I

11:00–12:20
Chair: Sugnet Lubbe, Room: EA4 (NT)
Thursday 13th
Contributed Paper Session

J. Rougier, **A. Zammit-Mangion**
Visualization for large-scale Gaussian updates
11:00–11:20

C. Bors, M. Bögl, T. Gschwandtner, S. Miksch
Visual support for rastering of unequally spaced time series
11:20–11:40

J.E. Lee, S. Ahn, D.-H. Jang
Visualization of three-dimensional data with virtual reality
11:40–12:00

M. Gallo, V. Todorov, M.A. Di Palma
R visual tools for three-way data analysis
12:00–12:20

Visualization and Analysis of Modern Data

14:00−15:30

Chair: Po-Ling Loh, Room: EA2 (NT)

Thursday 13th

Invited Topic Session in Collaboration with the Bernoulli Society

J.P. Long

Mapping the Milky Way halo: modeling and classification of sparsely sampled vector valued functions

14:00−14:30

Y. Benjamini

Summarizing linearized prediction models along feature groups

14:30−15:00

T.H. McCormick

Using Aggregated Relational Data to feasibly identify network structure without network data

15:00−15:30

ISBIS Session

14:00−15:30

Chair: David Banks, Room: EA4 (NT)

Thursday 13th

Invited Topic Session in Collaboration with the International Society for Business and Industrial Statistics

D. Banks

Statistical issues with agent-based models

14:00−14:30

T.A. Oliveira, A. Oliveira

Balanced incomplete block designs: some applications and visualization

14:30−15:00

P.C. Rodrigues, P. Tuy, R. Mahmoudvand

Randomized singular spectrum analysis for long time series

15:00−15:30

Coffee Break: 15:30−15:45

Applications II

15:45–17:05
Thursday 13th

Chair: Paula Brito, Room: EA2 (NT)
Contributed Paper Session

F.G. Akgül, B. Şenoğlu
Alternative distributions to Weibull for modeling the wind speed data in wind energy analysis
15:45–16:05

A.S.T. Sousa, M.G.C. Batista, M.C. Medeiros, O.L. Silva, H. Bacelar-Nicolau
Hierarchical cluster analysis in the context of performance evaluation: from classical to complex data
16:05–16:25

P. Brito, M.G.M.S. Cardoso, A.P. Duarte Silva
Building a map of Europe based on citizens values: an interval data approach
16:25–16:45

Inference

15:45–16:45
Thursday 13th

Chair: Peter Rousseeuw, Room: EA3 (NT)
Contributed Paper Session

T. Arslan, S. Acitas, B. Şenoğlu
Estimating the location and scale parameters of the Maxwell distribution
15:45–16:05

D. Kushary
Estimation of percentile of marginal distribution of order statistic with real life application
16:05–16:25

L. Qu
Copula density estimation by Lagrange interpolation at the Padua points
16:25–16:45

Visualization II

15:45–17:05
Thursday 13th

Chair: Niel Le Roux, Room: EA4 (NT)
Contributed Paper Session

J. Nienkemper-Swanepoel, S. Gardner-Lubbe, N.J. Le Roux
The virtues and pitfalls of the visualisation of incomplete categorical data
15:45–16:05

A. de Falguerolles
Is Arthur Batut's geometric experiment a convincing argument in favor of Francis Galton's generic images?
16:05−16:25

V.O. Choulakian
Visualization of sparse two-way contingency tables
16:25−16:45

A. Alexandrino da Silva
Cyclical history theory in data visualization: using a four-quadrant display to see history repeating itself
16:45−17:05

Coffee Break: 17:05−17:20

Poster Session 17:20−18:40
Location: North Tower, first floor Thursday 13th

D. Montaña, Y. Campos-Roca, **C.J. Perez**
Early detection of Parkinson's disease by considering acoustic features of plosive consonants

N.S. Ribeiro, J.O. Folgado, H.C. Rodrigues
Surrogate-based visualization of the influence of geometric design on the performance of a coronary stent

V.M. Lourenço, P.C. Rodrigues, A.M. Pires, H.-P. Piepho
A robust DF-REML framework for variance components estimation in genetic studies

N. Krautenbacher, F.J. Theis, C. Fuchs
A correction approach for random forest under sample selection bias

R. Gorter, E. Geuze
Measuring trends in depression symptoms in Dutch veterans from before, until five years after deployment

J. Pinto, S. Nunes, M. Bianciardi, L.M. Silveira, L.L. Wald, **P. Figueiredo**
Cluster-based lag optimization of physiological noise models in high-field resting-state fMRI

M.C. Botelho, E. Vilar, E. Cardoso, A. Alexandrino da Silva, P.D. Almeida, L. Rodrigues, A.P. Martinho, S. Rodrigues
Information visualisation quadrant display: a synergistic approach to a postgraduate program

J.R. da Cruz, M.H. Herzog, P. Figueiredo
An automatic pre-processing pipeline for EEG analysis based on robust statistics

D.M. Garvis
Adaptive learning and learning science in a first course in university statistics

J. Korzeniewski
A novel technique of symbolic time series representation aimed at time series clustering

A.C. Finamore, **A. Moura Santos**, A. Pacheco
Introducing formative assessment in probability and statistics course – analysis of the first data

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Conference Dinner 20:30

Friday, 14 July 2017

Invited Lecture Session 9:00–10:30

Chair: Christophe Croux, Room: Abreu Faro (CI) Friday 14th

M.A.T. Figueiredo
Selection and clustering of correlated variables
9:00–9:45

P.J. Rousseeuw, W. Van den Bossche
Detecting anomalous data cells
9:45–10:30

Coffee Break: 10:30–11:00

Invited Lecture Session 11:00–11:45

Chair: Peter Filzmoser, Room: Abreu Faro (CI) Friday 14th

S. Sapp
Performance of marketing attribution models

Keynote Lecture Session 11:45–12:45

Chair: Peter Filzmoser, Room: Abreu Faro (CI) Friday 14th

D.A. Keim
The role of visualization in data science

Closing Ceremony 12:45–13:00

Social Programme

Welcome Reception – South Garden at IST
Wednesday, July 12, 18:30

All participants are invited to a welcome reception on Wednesday, the first day of the conference. A light meal will be served in the South Garden and the "Tuna Universitária do Instituto Superior Técnico", a Portuguese Academic Musical group composed of male IST students, will provide lively and funny entertainment.

Conference Dinner – Sacramento do Chiado Restaurant (downtown)
Thursday, July 13, 20:30

If you are registered for the conference dinner, you will receive a ticket upon registration at the conference desk. *Please remember to bring this ticket to the dinner.*

The conference dinner will take place at the Sacramento do Chiado restaurant (Calçada Sacramento 44, Phone: +351 213 420 572 , Baixa-Chiado subway station). After dinner, there will be a show with Fado.

The contact address during and after the conference is:

Departamento de Matemática, DSSV 2017
Instituto Superior Técnico
Av. Rovisco Pais, 1
1049-001 Lisboa
Portugal
Tel.: (+351) 218417599
Email: dssv2017@tecnico.ulisboa.pt

General Information

Emergency number: The national emergency phone number is **112**.

Currency and exchange

Portugal's currency is the Euro (€). The banks are typically open Monday to Friday between 8:30 am and 3 pm. The bank at the airport is open 24 hours a day, 7 days a week. Money can also be exchanged at bureaux de change or automatic exchange machines. International credit cards are widely accepted. There are three bank branches in the main IST building (open from 10 am to 5 pm) as well as several ATM machines accepting all major credit cards.

Business hours

Shops: Most street shops in Lisbon open at 9 am or 10 am, and often close at around 7 pm. Some offices and smaller businesses close for lunch, usually between 1 pm and 3 pm. The shopping malls open from 10 in the morning, and only close at midnight.

Restaurants: Usually open for lunch from noon to 3 pm and for dinner from 7 pm to 10 pm.

Pharmacies: Monday to Friday 9 am to 7 pm (some pharmacies close at lunchtime). Saturdays from 9 am to 1 pm. When closed all pharmacies indicate the nearest open pharmacy on duty, where there is a 24-hour service.

Taxis

There are several taxi companies. If you want to take a taxi, you may ask at the reception of your hotel or call the taxi company directly.

Radio Taxis Retális Lisboa: (+351) 218 119 000

It is advisable to ask in advance how much, roughly, the taxi fare will be.

Information about Lisbon

You can find tourist and cultural information about Lisbon in the site of the conference. For further information contact
Ask Me Lisboa Story Centre
Address: Praça do Comércio, 78–81
Phone: (+351) 910 517 886

List of restaurants in the IST area (walking distance)

Within 10 min walk:

GULA'S - KITCHEN LOVERS €
Rua de Dona Filipa de Vilhena, 18A
https://www.zomato.com/pt/grande-lisboa/gulas-kitchen-lovers-saldanha-lisboa

RIALVA €
Avenida Duque de Ávila, 2B
https://www.zomato.com/pt/grande-lisboa/rialva-saldanha-lisboa

AÇÚCAR E CANELA €
Avenida Duque d'Ávila, 6A
https://www.zomato.com/pt/grande-lisboa/açúcar-canela-1-saldanha-lisboa

MERCEARIA CRIATIVA €
Avenida Guerra Junqueiro, 4A
https://www.zomato.com/pt/grande-lisboa/mercearia-criativa-são-joão-de-deus-lisboa

B' PERFECT BURGERS €
Rua Brás Pacheco, 2C
https://www.zomato.com/pt/grande-lisboa/b-perfect-burgers-são-joão-de-deus-lisboa

KOKORO RAMEN BAR €
Avenida Rovisco Pais, 30A
https://www.zomato.com/pt/grande-lisboa/kokoro-ramen-bar-arroios-lisboa

SANTORINI COFFEE €
Avenida Manuel da Maia, 19A
https://www.zomato.com/pt/grande-lisboa/santorini-coffee-arroios-lisboa

VITAMINAS E SABORES €
Avenida Duque d'Ávila, 45A/B/C
https://www.zomato.com/pt/grande-lisboa/vitaminas-e-sabores-saldanha-lisboa

PASTELARIA MEXICANA €€
Avenida Guerra Junqueiro, 30C
https://www.zomato.com/pt/grande-lisboa/pastelaria-mexicana-são-joão-de-deus-lisboa

CAFÉ IMPÉRIO €€
Avenida Almirante Reis, 205 A
https://www.zomato.com/pt/grande-lisboa/café-império-arroios-lisboa

CHARRUA DO LAVRADOR €€€
Avenida Duque de Ávila, 11
https://www.zomato.com/pt/grande-lisboa/charrua-do-lavrador-saldanha-lisboa

O REI DA PESCADA €€€
Avenida Duque de Ávila, 19
https://www.zomato.com/pt/grande-lisboa/o-rei-da-pescada-saldanha-lisboa

Within 15 min walk:

ANNAPURNA €
Avenida Almirante Reis, 179A
https://www.zomato.com/pt/grande-lisboa/annapurna-arroios-lisboa

CHOUPANA CAFFÉ €
Avenida da República, 25A
https://www.zomato.com/pt/grande-lisboa/choupana-caffé-saldanha-lisboa

ESPIRAL (vegetarian restaurant) €
Praça Ilha do Faial, 13C–14A/B
https://www.zomato.com/EspiralRestaurante

FÁBRICA DOS SABORES €
Avenida Defensores de Chaves, 55
https://www.zomato.com/pt/grande-lisboa/fábrica-dos-sabores-saldanha-lisboa

SUPER-CHEFE €
Avenida Duque de Ávila, 22
https://www.zomato.com/pt/grande-lisboa/super-chefe-saldanha-lisboa

HAMBURGUERIA 21 €
Avenida João XXI, 45A
https://www.zomato.com/pt/grande-lisboa/hamburgueria-21-são-joão-de-deus-lisboa

ITALY - LISBONA CAFFÉ €€
Avenida Duque de Ávila, 26B R/C
https://www.zomato.com/pt/grande-lisboa/restaurantes?q=italy+caffe

CAFÉ SÃO REMO €€
Avenida Duque de Ávila, 30
https://www.zomato.com/pt/grande-lisboa/café-são-remo-saldanha-lisboa

À PARTE €€
Avenida Defensores de Chaves, 14C
https://www.zomato.com/pt/grande-lisboa/À-parte-saldanha-lisboa

VERSAILLES €€
Avenida da República, 15A
https://www.zomato.com/pt/grande-lisboa/versailles-saldanha-lisboa

GALETO €€
Avenida da República, 14
https://www.zomato.com/pt/grande-lisboa/galeto-saldanha-lisboa

RESTAURANTE FOGO DE CHÃO €€€
Avenida Elias Garcia, 13
https://www.zomato.com/pt/grande-lisboa/fogo-de-chão-campo-pequeno-lisboa

IST Campus

metro Saldanha

Holiday Inn Hotel

Rua Alves Redol

Entrance

DSSV2017

2

Welcome Reception

3

DSSV2017

1
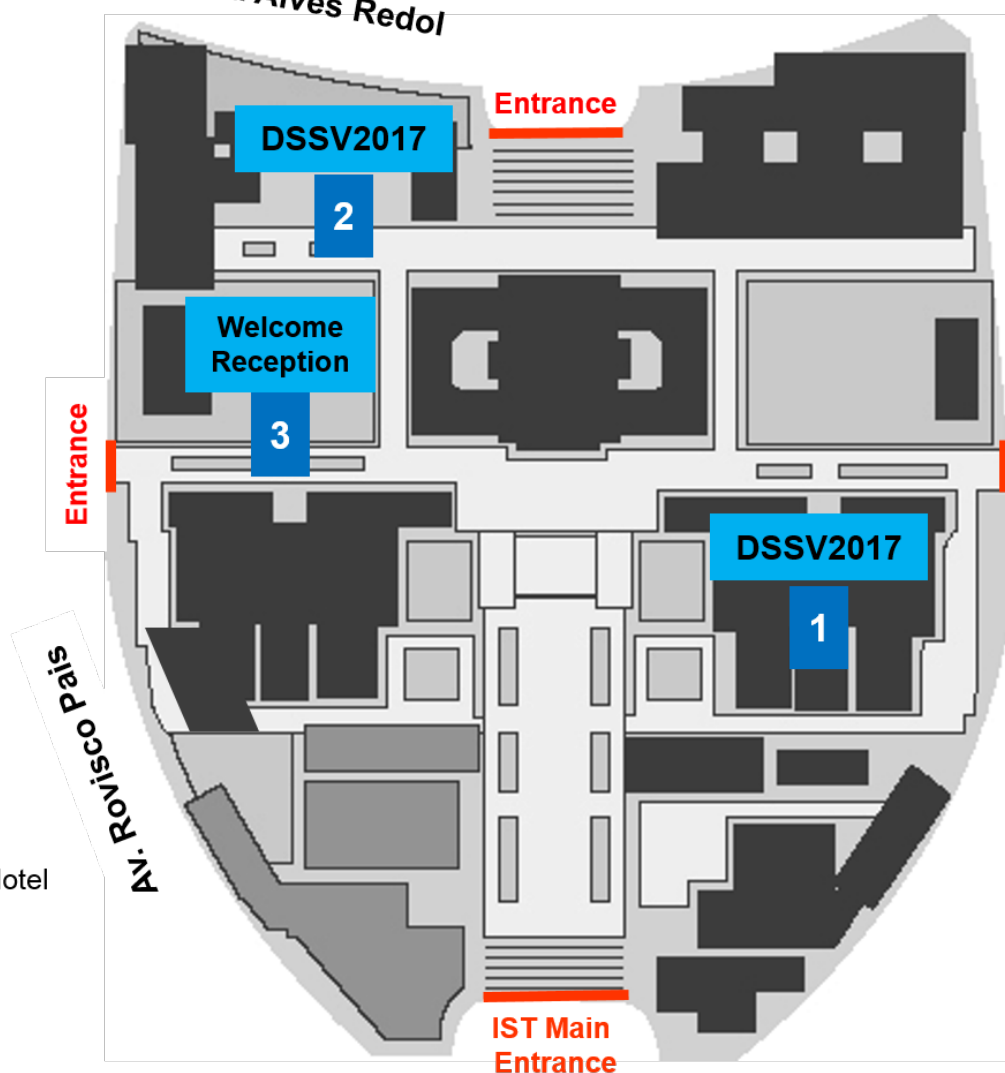
Av. António José de Almeida

Entrance

Entrance

Av. Rovisco Pais

Turim Hotel

IST Main Entrance

Av. Manuel da Maia

1 **North Tower (NT) (Torre Norte)**
Rooms: EA2, EA3, EA4
Registration Desk
Contributed sessions
Invited Topic sessions

2 **Complexo Interdisciplinar (CI)**
Abreu Faro (AF) auditorium
Opening and Closing ceremonies
Keynote and Invited lectures

3 **South Garden**
Welcome Reception

AS Lisboa Hotel

metro Alameda

universidade de aveiro
theoria poiesis praxis

SPE Sociedade Portuguesa de Estatística

ANDRITZ Pulp & Paper

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