IV WCDANM, Instituto Politécnico de Beja
October 27, 2017, Portugal

PROGRAM

Event Place:
Escola Superior de Tecnologia e Gestão do Instituto Politécnico de Beja

09:00-09:30 Registration

09:30-10:00 Open Ceremony of the IV WCDANM17

10:00-10:25 Contributed Talk (25m apresentation and 5m discussion)

Room A1 (Chair: Luís M. Grilo):

<u>Cristina Dias</u>, J. Miranda, C. Santos and J. T. Mexia (**Anova Analysis and Related Techniques for Structured Families of Symmetric Stochastic Matrices**)

Room A2 (Chair: Teresa Oliveira):

<u>J.F. Santos</u>, M. M. Portela and I. Pulido-Calvo (**Regional Frequency Analysis of Extreme Climate Phenomena**)

Room S1 (Chair: Fernando Carapau):

<u>Luís Bandeira</u> and Carlos C. Ramos (**Oscillators on a Cantor set**)

10:30-10:55 Contributed Talk (25m apresentation and 5m discussion)

Room A1 (Chair: Luís M. Grilo):

<u>Célia Nunes</u>, G. Capistrano, D. Ferreira, S. S. Ferreira and J.T. Mexia (**Random sample sizes in one-way ANOVA with fixed effects**)

Room A2 (Chair: Teresa Oliveira):

João A. Branco and Ana M. Pires (**Whos not afraid of Big Data?**)

Room S1 (Chair: Fernando Carapau):

Carlos C. Ramos (**Nonlinearity and control**)

11:00-11:30 Coffee Break and Posters Session

11:30-11:55 Contributed Talk (25m apresentation and 5m discussion)

Room A1 (Chair: Luís M. Grilo):

Cristina Dias, João Romacho and Maria J. Varadinov (**Risk behaviour in the asset management industry**)

Room A2 (Chair: Teresa Oliveira):

Isabel Colaço (**The Stern-Brocot tree**)

Room S1 (Chair: Fernando Carapau):

M. Filomena Teodoro (**Numerical Schemes to Solve Some MTFDE's**)

12:00-12:25 Contributed Talk (25m apresentation and 5m discussion)

Room A1 (Chair: Luís M. Grilo):

Luís M. Grilo and Helena L. Grilo (**Statistical agreement between two methods of measurement**)

Room A2 (Chair: Teresa Oliveira):

Teresa Oliveira and Amílcar Oliveira (**Exploring R features for Experimental Designs**)

Room S1 (Chair: Fernando Carapau):

Fernando Carapau, P. Correia, L. Grilo and R. Conceição (**Axisymmetric Motion of a Proposed Generalized Non-Newtonian Fluid Model with Shear-dependent Viscoelastic Effects**)

12:30-14:00 Lunch

14:00-14:25 Contributed Talk (25m apresentation and 5m discussion)

Room A1 (Chair: Cristina Dias):

Dora Prata Gomes and M. Neves (**Improving the Extremal Index Blocks Estimator**)

Room A2 (Chair: João A. Branco):

Luís Domingues and José G. Dias (**A comparison of the performance of restoration-classification models with spatial data**)

Room S1 (Chair: Carlos C. Ramos):

Assia Sellami, O. Mesbahi, K. kandoussi, R. Otmani, A. Hajjaji and M. Tlemçani (**The Modeling of a simple PV and Cooling PV panel using numerical methods**)

14:30-14:55 Contributed Talk (25m apresentation and 5m discussion)

Room A1 (Chair: Cristina Dias):

Pedro M. Cravo (**Satisfaction with the Tourist Experience: An Applications of the Nonlinear Estimation Model**)

Room A2 (Chair: João A. Branco):

Nuno M. Brites and Carlos A. Braumann (**Comparison of fishing policies for populations with weak Allee effects in a random environment**)

Room S1 (Chair: Carlos C. Ramos):

Oumaima Mesbahi, A. Sellami, K. kandoussi, R.Otmani, A. Hajjaji and M. Tlemçani (**Coupling of numerical algorithms: An application to a nonlinear engineering model**)

15:00-15:25 Contributed Talk (25m apresentation and 5m discussion)

Room A1 (Chair: Cristina Dias):

Dadang Amir Hamzah and Eugénio Rocha (**Homotopy Iterative Splitting Method to solve the generalized Fisher's Equation**)

Room A2 (Chair: João A. Branco):

João Miranda Cristina Dias and Maria J. Varadinov (**Training Young Researchers in Pharmaceutical Supply Chains-Medicines Shortages**)

Room S1 (Chair: Carlos C. Ramos):

Juan Luis García Zapata, Maria C. Grácio and I. Rodrigues (**Spectral Clustering Tools for Analysis of Learning Trajectories in the Student Network of vora University**)

15:30-15:55 Contributed Talk (25m apresentation and 5m discussion)

Room A1 (Chair: Cristina Dias):

Hayat Zouiten and Ali Boutoulout (**Regional enlarged observability for parabolic semi-linear systems**)

Room A2 (Chair: João A. Branco):

J.L. Pereira, L. Mendes and T.A. Oliveira (**Comparison of means through GLM - An example in Oral Health**)

Room S1 (Chair: Carlos C. Ramos):

Manuel B. Branco (**Some results on the Frobenius coin problem**)

16:00-16:25 Contributed Talk (25m apresentation and 5m discussion)

Room A1 (Chair: Cristina Dias):

Sérgio C. Costa, Fernando M. Janeiro and Isabel Malico (**A Genetic Algorithm tweak for result improvement in inverse optimization problems**)

Room S1 (Chair: Carlos C. Ramos):

L.P. Castro and A.M. Simões (**A New Type of Stability: semi-Hyers-Ulam-Rassias Stability**)

16:30-17:00 Coffee Break and Posters Session

Posters Authors

Ana C. Conceição (**PDLs and Flowcharts in Operator Theory**)

Leonardo Andrade, Pedro Gonalves, Mouhadydine Tlemçani and Fernando Janeiro (**Virtual Instrumentation: Evaluation of a data acquisition**)

António Carloto (**Wine quality ratings versus price in The Wine Enthusiast Magazine**)

Fernando Carapau, Paulo Correia and Luís M. Grilo (**One-dimensional Third-grade Fluid Model**)

Carla Santos, Célia Nunes, Cristina Dias and João Tiago Mexia (**Building up complex models with commutative orthogonal block structure**)

Carla Santos, Célia Nunes, Cristina Dias and João Tiago Mexia (**Condensing normal OBS**)

Cristina Dias, Carla Santos, João Romacho, Maria José Varadinov and João Tiago Mexia (**Symmetric Stochastic Matrices**)

M. Filomena Teodoro, Carla Simão, Margarida Abranches, Sofia Deuchande and Ana Teixeira (**Prevalence of Pediatric Hiypertension: a Preliminary Approach**)

Manuel Alberto, Dulce Gomes and Patrícia A. Filipe (**Trends and seasonality of the road accidents in Angola from 2002 to 2015**)

António Breda D´Azevedo and Ilda Inácio Rodrigues (**An overview of the classification of Bicontactual Hypermaps**)

A. Manuela Gonçalves and Andreia Ribeiro (**E-Commerce: a statistical approach for supply forecasting**)

Dina Mateus and Henrique Pinto (**Regression model of sugarcane juice sugar content as a function of the measurement height on the stalk**)

Nuno M. Brites, Pedro Melgueira, Irene Rodrigues and Lígia Ferreira (**Application of data mining techniques to E-learning data**)

Ramez Aldwihe and José Saias (**Computational vision applied in automotive driving support systems**)

J. Rodrigues, A.M. Gonçalves, S. Faria, A.R. Gomes and C. Simães (**The relations between work-family conflicts, burnout, and cognitive appraisal: a structural equation modelling**)

Luís Sancho, Victor Figueira and M. Teresa Godinho (**The Image of the Alentejo as a Tourist Destination through the eyes of Lisbon´s inhabitants**)

Zeferino Caxala, Rogério Serôdio and Ilda Inácio Rodrigues (**Investigating the properties of Rascal´s Triangle**)

Sofia Ramôa, Pedro Oliveira e Silva, Teresa Vasconcelos, Paulo Fortes and João Portugal (**Applying statistical methods on the analysis of ecological prefer-**

ences of the spontaneous flora)

Susana Faria and Luísa Novais (**Determining the Number of Components in Mixtures of Linear Mixed Models**)

Maria José Varadinov, Nicolau Almeida, João Romacho, Cristina Dias and Carla Santos (**Multivariate APC model in the analyze of the logistics activities of companies that implement or not a system of reverse logistics**)

17:00 Social Program Visit: Historic center of Beja

20:00 Conference Dinner (Restaurante A Pipa (Rua da Moeda 8, Beja)