

# Tuesday, March 26

**9:00 - 11:00 Invited Talks: Camburi Hall**

**Cristiano Fernandes (Chairman)**

9:00 - 10:00 **Mathias Scherer:** *H-Extendible Copulas*

10:00 - 11:00 **Hedibert Lopes:** *Cholesky Stochastic Volatility Models for High-Dimensional Time Series*

**11:00 - 11:20 Coffee Break**

**11:20 - 13:00 Invited Talks: Camburi Hall**

**Vladimir Belitsky (Chairman)**

11:20 - 12:10 **Umberto Cherubini:** *Risk Capital Aggregation and Allocation*

12:10 - 13:00 **Christian Genest:** *Detecting and Modeling Extreme-value Dependence: the State of the Art*

**13:00 - 15:00 Lunch**

**15:00 - 16:40 Contributed Talks: Camburi Hall**

**Jorge Zubelli (Chairman)**

15:00 - 15:20 Alexander, C. and **Rauch, J.:** *Perfect Hedgeable Moment Swaps*

15:20 - 15:40 Dhaene, J., **Linders, D.**, Schoutens, W. and Vyncke, D.: *The Herd Behavior Index*

15:40 - 16:00 **Müller, A.:** *Expectiles as Risk Measures*

16:00 - 16:20 Saul, J. and **Rodriguez, A.:** *Market Inflation and Inflation-Linked Bonds*

16:20 - 16:40 **Rifo, L.**, Córdova, A., Díaz, V. and Torres, S.: *Bayesian Inference for the Memory Index of a Process*

**15:00 - 16:40 Contributed Talks: Una Hall**

**Vladimir Belitski (Chairman)**

15:00 - 15:20 **Bergel, A.** and dos Reis, A. : *On the Generalized Lundberg's Equation in a Sparre-Andersen Risk Model*

15:20 - 15:40 **García, J.** and González-López, V: *Joint Modeling of Multiple Independent Discrete Markovian Processes*

15:40 - 16:00 Lauretto, M., Nakano, F.; Pereira, C. and **Stern, J.:** *Intentional Sampling by Goal Optimization with Decoupling by Stochastic Perturbation*

16:00 - 16:20 **Pantelous, A.**: *Optimal Premium Pricing Policies using the Cobb-Douglas Function in Competitive Insurance Markets*

16:20 - 16:40 **Rodriguez, E.**, Cardoso, R. and dos Reis, A. : *Moments of Dividends and Optimal Expected Dividends in the Erlang( $n$ ) Dual Risk Model*

**16:40 - 17:00 Coffee Break**

**17:00 - 19:20 Short Courses**

17:00 - 19:25 **Stephane Loisel** (Camburi Hall): *On Some Practical Issues Related to Enterprise Risk Management in Insurance and Finance* (Part 2)

17:00 - 19:25 **Alan De Genaro** (Una Hall): *Statistical Methods on Risk Management*

17:00 - 17:45 **Louzada, F. and Diniz, C.** (Maresias Hall): *Statistical Modeling for Credit Risk* (Part 3)

17:50 - 18:35 **Cristiano Fernandes** (Maresias Hall): *State Space Models: Some Applications in Finance and Insurance* (Part 3)

18:40 - 19:25 **Georgios Pitselis** (Maresias Hall): *Introduction to Credibility* (Part 3)

**19:30 - 20:30 Dinner**

**20:30 - 21:30 Poster Session 2: Veronica González (Chairman)**

## Poster Session 2: March 26, 20:30 - 21:30

Veronica González (Chairman)

**P27.** Maza, C. and Hotta, L.: *Bootstrap Prediction in Univariate Volatility Models with Leverage Effect*

**P28.** Mogulskii, A., Kelbert, M. and Yambartsev, A.: *Large Derivations for Recurrent Flows and Excess of Loss Reinsurance*

**P29.** Néves, C., Fernandes, C. and Veiga, A.: *Forecasting Longevity Gains Using Multivariate Models with Stochastic Trends*

**P30.** Paraíba,, C. Diniz, C. and Pires, R.: *Bayesian Analysis and Diagnostic for the Double Binomial Regression Model: A Simulation Study*

**P31.** Requena, G., Delbem, D. and Diniz, C. : *Dependence Modelling between Operational Risk Losses via Gaussian Copula*

**P32.** Silva, B., Lauretto, M., Andrade, P. and Araújo, L.: *Evaluation of a Supervised Learning Approach for Stock Market Operation*

**P33.** Souza, H. and Leão, L.: *Pricing Self-Managed Health Plan Applying the Generalized Linear Model*

**P34.** Street, A. and Alzugarir, A.: *Pricing Hedge Agreement for a Wind Power Generator in the Brazilian Energy Market*

**P35.** Tuesta, E. and Ferreira, T. : *Prediction in a Brazilian Stock Market using Hidden Markov Models*

**P36.** Barata, T., Franklin Jr. S., Neves, C. and Lima, E.: *The Brazilian Inflation Coupon Curve Estimated Using Genetic Algorithms*

**P37.** Zuanazzi, P. and Ziegelmann, F.: *Macroeconomics Forecasts with Financial Series at Different Frequencies*

**P38.** Pinto, J. and Kolev, N.: *A Note Bivariate Extreme Value Copulas*

**P39.** Machado, U., Fernandes, C. and Vereda, L.: *Developing a Static Hierarchical Factor Model to Aid in Fixed Income Portfolio Management*

**P40.** Tófoli, P., Ziegelmann, F. and Silva Filho, O.: *Dynamic D-Vine Copula Model with Applications to Value-at-Risk (VaR)*

**P41.** Mackie, E. and Zubelli, J.: *A Persistence Model for Futures Prices*

**P42.** Matos, J. and Simonis, A.: *Lévy's Arcsin Law*

**P43.** Silva, F.: *Revesting the Equity Premium Puzzle: A Calibration Experiment*

**P44.** Espírito-Santo, J., Diniz, C. and Viola, M.: *Correlated Extreme-value Regression Models*

**P45.** Nascimento, C. and Veiga, A.: *Incorporating the Repeated Surplus Rule into an ALM Model for Pension Funds vis Stochastic Mixed Integer Linear Programming*

**P46.** Caldeira, J., Moura, G., Santos, A. and Tessari, C.: *Portfolio Selection Based on Heteroskedastic Factor Models: Application to fund of Funds*

**P47.** Behamonde, N. and Ossandón, S.: *Estimation for State-Space ARCH Models*

**P48.** Siqueira, V. and Leão, D.: *Stopping Times and American Options Using Simulation*

**P49.** Fanzeres, B., Street, A., Veiga, A., Lima, D., Moreira, A. and Freire, L.: *Wind-Hydro Portfolio Hedge in the Brazilian Forward-Contract Market*

**P50.** Fanzeres, B., Street, A., Veiga, A., Lima, D., Moreira, A. and Freire, L.: *Risk and Hedge Management Software for Commercialization of Renewable Sources in the Forward-Contract Market*

**P51.** Fanzeres, B., Street, A., Veiga, A., Lima, D., Moreira, A. and Freire, L.: *Hedging Wind Power Price-Quantity Risk in Forward-Contract Market: a Thermal Call Option Approach*

**P52.** Menes, M. and Leão, D.: *Discrete Version of the Constant Elasticity of Variance Model*

**P53.** Belitsky, V., Menshikov, M., Petritis, D. and Vachkovskaia, M.: *Non-Vanishing Consumption under Stationary Price Oscillation*