



## CERTIFICATE

We hereby certify that, *Adolfo Correia*, Instituto Nacional de Matemática Pura e Aplicada, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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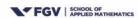




















### CERTIFICATE

We hereby certify that, Alberto Adrego Pinto, Universidade do Porto, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.























### CERTIFICATE

We hereby certify that, *Alexandre Machado*, Fundação Getúlio Vargas, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























## CERTIFICATE

We hereby certify that, *Allan Jonathan da Silva*, Laboratório Nacional de Computação Científica & CEFET/RJ, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























## CERTIFICATE

We hereby certify that, Alvaro Almeida Gomez, Instituto Nacional de Matemática Pura e Aplicada, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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### CERTIFICATE

We hereby certify that, *Ana Beatriz Vieira de Mattos*, Brasil, Bolsa, Bacão, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli **Organizing Committee** 





















## CERTIFICATE

We hereby certify that, *Antoine Savine*, Danske Bank, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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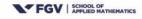




















## CERTIFICATE

We hereby certify that, Aracelli Alejandra Medrano Carrasco, Universidade Federal Fluminense, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.





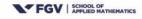




















### CERTIFICATE

We hereby certify that, Ariel Levy, Universidade Federal Fluminense, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.























### CERTIFICATE

We hereby certify that, **Babak Mahdavi-Damghani**, **University of Oxford**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























## CERTIFICATE

We hereby certify that, *Bourgey Florian*, **École Polytechnique**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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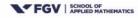




















### CERTIFICATE

We hereby certify that, *Bruno Dupire*, **Bloomberg - NY**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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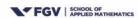




















## CERTIFICATE

We hereby certify that, *Camila Ferreira de Souza*, Centro Federal de Educação Tecnológica de Minas Gerais, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























### CERTIFICATE

We hereby certify that, Carlos de Goes Mascarenhas Filho, Citrino Gestão de Recursos, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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### CERTIFICATE

We hereby certify that, Carlos Magno Gonçalves Fernandes Reis, Icatu Vanguarda, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























## CERTIFICATE

We hereby certify that, *Carole Bernard*, Vrije Universiteit Brussel, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.





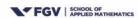




















## CERTIFICATE

We hereby certify that, *Christiano Lo Bianco Clementino*, Instituto Nacional de Matemática Pura e Aplicada, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























## CERTIFICATE

We hereby certify that, Christopher Hofmann, Tu Chemnitz (Chemnitz University of **Technology)**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli **Organizing Committee** 





















## CERTIFICATE

We hereby certify that, Ciro Barbosa Paolucci, Instituto Nacional de Matemática Pura e Aplicada, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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### CERTIFICATE

We hereby certify that, **Daniel D Avila Zaccari**, **Brasil, Bolsa, Bacão**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























## CERTIFICATE

We hereby certify that, *Diogo Duarte Garcia Pires*, Florida International University, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.























### CERTIFICATE

We hereby certify that, *Eben Mare*, **University of Pretoria**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























# CERTIFICATE

We hereby certify that, *Eduardo Fonseca Brasil*, Instituto Nacional de Matemática Pura e Aplicada, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli Organizing Committee





















## CERTIFICATE

We hereby certify that, *Ernst Eberlein*, **Universitat Freiburg - Freiburg - Alemanha**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.





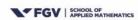




















### CERTIFICATE

We hereby certify that, *Estevão Rosalino Junior*, Laboratório Nacional de Computação Científica, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli Organizing Committee





















## CERTIFICATE

We hereby certify that, *FELIPE DO NASCIMENTO FERNANDES*, Instituto Nacional de Matemática Pura e Aplicada, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli Organizing Committee





















### CERTIFICATE

We hereby certify that, *Fernando A L Aiube*, Universidade do Estado do Rio de Janeiro, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli Organizing Committee





















## CERTIFICATE

We hereby certify that, *Giorgio Consigli*, *University of Bergamo*, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.







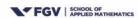




















### CERTIFICATE

We hereby certify that, *Guillaume Blacher*, **Bank of America**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli Organizing Committee





















## CERTIFICATE

We hereby certify that, *Gustavo Bulhões Carvalho da Paz Freire*, Escola Brasileira de Economia e Finanças, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























## CERTIFICATE

We hereby certify that, *Gyorgy Varga*, Fce Consultoria, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























# CERTIFICATE

We hereby certify that, *Jack Baczynski*, Laboratório Nacional de Computação Científica, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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## CERTIFICATE

We hereby certify that, *Jacob Palis*, Instituto Nacional de Matemática Pura e Aplicada, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



























### CERTIFICATE

We hereby certify that, Jan Obloj, University of Oxford, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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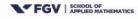




















### CERTIFICATE

We hereby certify that, Jean-Pierre Fouque, University of California Santa Barbara, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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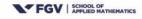




















## CERTIFICATE

We hereby certify that, Jim Gatheral, City University of New York, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























## CERTIFICATE

We hereby certify that, *Jorge P. Zubelli*, Instituto Nacional de Matemática Pura e Aplicada, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



























## CERTIFICATE

We hereby certify that, Jose Afonso Faias, Universidade Católica Portuguesa, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.























## CERTIFICATE

We hereby certify that, *José Javier Cerda Hernández*, **Universidade Nacional de Ingenieria**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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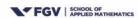




















## CERTIFICATE

We hereby certify that, Josef Teichmann, Eth-Zentrum, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.























## CERTIFICATE

We hereby certify that, *Juan Andrés Serur*, **Universidad del Cema**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.







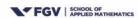




















## CERTIFICATE

We hereby certify that, *Juan Bladimiro Rodriguez Otazú*, Laboratório Nacional de Computação Científica, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.







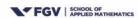




















## CERTIFICATE

We hereby certify that, *Julia Dupire*, **New York University Stern School of Business**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.





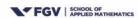




















## CERTIFICATE

We hereby certify that, *Julien Guyon*, **Bloomberg - NY**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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## CERTIFICATE

We hereby certify that, Konul Mustafayeva, King's College London, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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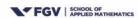




















## CERTIFICATE

We hereby certify that, *Lakshithe Wagalath*, **léseg School of Management**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli Organizing Committee





















## CERTIFICATE

We hereby certify that, *Lane Hughston*, **Goldsmiths, University of London**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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## CERTIFICATE

We hereby certify that, Leonardo Conegundes, Universidade Federal de Minas Gerais, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.





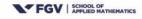




















## CERTIFICATE

We hereby certify that, *Luca Parlamento*, **Macquarie University**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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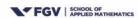




















## CERTIFICATE

We hereby certify that, *Lucas Farias Lima*, Fundação Getúlio Vargas, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























## CERTIFICATE

We hereby certify that, *Ludger Overbeck*, **University Giessen**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli **Organizing Committee** 





















# CERTIFICATE

We hereby certify that, *Luiz Ricardo Martins de Sousa*, Instituto Nacional de Matemática Pura e Aplicada, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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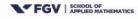




















## CERTIFICATE

We hereby certify that, *Lukasz Treszczotko*, Warsaw University, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























## CERTIFICATE

We hereby certify that, *Marcos Costa Santos Carreira*, École Polytechnique, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios -Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



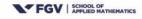




















## CERTIFICATE

We hereby certify that, *Martin Schweizer*, Swiss Federal Institute of Technology, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.























## CERTIFICATE

We hereby certify that, *Martino Grasselli*, Padova University, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























## CERTIFICATE

We hereby certify that, *Matheus Grasselli*, Mcmaster University, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























## CERTIFICATE

We hereby certify that, *Maurício Darós Andrade*, Instituto Nacional de Matemática Pura e Aplicada, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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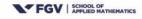




















## CERTIFICATE

We hereby certify that, *Max Oliveira de Souza*, Universidade Federal Fluminense, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli Organizing Committee





Support

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## CERTIFICATE

We hereby certify that, *Mohammad Fesanghary*, **Bloomberg - NY**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli Organizing Committee





















## CERTIFICATE

We hereby certify that, *Pedro Henrique Freire*, **Universidade Federal Fluminense**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























## CERTIFICATE

We hereby certify that, *Raphael Douady*, Stony Brook University, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.





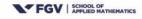




















## CERTIFICATE

We hereby certify that, *Raquel M Gaspar*, **Universidade de Lisboa**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



























# CERTIFICATE

We hereby certify that, *Raul Guarini*, Escola Brasileira de Economia e Finanças, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.

























## CERTIFICATE

We hereby certify that, *Renato Santos Aranha*, Fundação Getúlio Vargas, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli Organizing Committee





















## CERTIFICATE

We hereby certify that, *Ricardo Ramos*, *Instituto Nacional de Matemática Pura e Aplicada*, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.







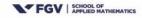




















## CERTIFICATE

We hereby certify that, *roberto spadim*, **Universidade de São Paulo**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli Organizing Committee





















## CERTIFICATE

We hereby certify that, *Sebastian Jaimungal*, **University of Toronto**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli Organizing Committee





















## CERTIFICATE

We hereby certify that, *Sergio Alvares Rodrigues de Souza Maffra*, King's College London, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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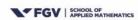




















## CERTIFICATE

We hereby certify that, **Stephane Crepey**, **Université Evry Val d'Essonne**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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## CERTIFICATE

We hereby certify that, *Teemu Pennanen*, **King's College London**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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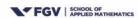




















## CERTIFICATE

We hereby certify that, *Tereza Cristina Amorelli Coelho*, Banco do Brasil, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



Jorge P. Zubelli Organizing Committee





















## CERTIFICATE

We hereby certify that, *Uwe Schmock*, Vienna University of Technology, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.























## CERTIFICATE

We hereby certify that, *Youngna Choi*, **Montclair State University**, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.





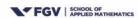




















## CERTIFICATE

We hereby certify that, *Yuri Fahham Saporito*, Fundação Getúlio Vargas, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.





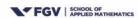




















## CERTIFICATE

We hereby certify that, Yuri Thamsten Coelho, Universidade Federal Fluminense, participated in the Mathematics & Finance: Research in Options 2018, held at Atlântico Búzios Hotel, Búzios - Rio de Janeiro, from November 24<sup>th</sup> to 28<sup>th</sup>, 2018.

Rio de Janeiro, November 29<sup>th</sup>, 2018.



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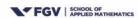
















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