

mathematics & finance:

13th Edition
RIO
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Búzios, Rio de Janeiro, Brazil - November 24th to 28th, 2018
Honoring Bruno Dupire's 60th Birthday

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 24th to 28th, 2018 and presented the following plenary talk: **"Implications of International Trade Agreements"**.

Rio de Janeiro, November 29th, 2018.

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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 24th to 28th, 2018 and presented the following plenary talk: “**The influence of Bruno Dupire on derivatives markets**”.

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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 24th to 28th, 2018 and presented the following plenary talk: “**Option Implied Dependence**”.

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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 24th to 28th, 2018 and presented the following plenary talk: **“Multiple curve Lévy forward price model allowing for negative interest rates”**.

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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 24th to 28th, 2018 and presented the following plenary talk:
“Derivatives-based portfolio management via multistage stochastic programming”.

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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 24th to 28th, 2018 and presented the following plenary talk: “**Fixed Point Method for Fast Smile Calibration of Hybrid Model**”.

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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 24th to 28th, 2018 and presented the following plenary talk: “**Robust Pricing and Hedging in Practice**”.

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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 24th to 28th, 2018 and presented the following plenary talk: “**On Fairness of Systemic Risk Measures**”.

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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 24th to 28th, 2018 and presented the following plenary talk: “**Scenario generation by machine learning techniques**”.

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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 24th to 28th, 2018 and presented the following plenary talk: “**On the Joint Calibration of SPX and VIX Options**”.

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We hereby certify that, **Lakshitha 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 24th to 28th, 2018 and presented the following plenary talk: **“Strategic Fire-Sales and Price-Mediated Contagion in the Banking System”**.

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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 24th to 28th, 2018 and presented the following plenary talk: “**On the Determination of the Lévy Exponent in Asset Pricing Models**”.

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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 24th to 28th, 2018 and presented the following plenary talk: “**Dynamic mean-variance optimization problems with deterministic information**”.

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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 24th to 28th, 2018 and presented the following plenary talk: “**Fast Hybrid Schemes for Fractional Riccati Equations (Rough is not so Tough)**”.

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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 24th to 28th, 2018 and presented the following plenary talk: “**Climate Change, Finance, and Macroeconomics**”.

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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 24th to 28th, 2018 and presented the following plenary talk: “**Pricing options with non-uniform Fourier transform**”.

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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 24th to 28th, 2018 and presented the following plenary talk: “**Regime Switching Market Evolution and Calibration, Relations to Polymodels**”.

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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 24th to 28th, 2018 and presented the following plenary talk: **"Uncertainty Quantification for XVA Applications"**.

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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 24th to 28th, 2018 and presented the following plenary talk: **“Geometry of Distribution-Constrained Optimal Stopping Problems”**.

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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 24th to 28th, 2018 and presented the following plenary talk: “**Dupire Calculus**”.

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