

# Claudio Tebaldi

Associate Professor



**Knowledge Group:** Finance

**Research Domains:** Financial Markets

**Teaching Domains:**

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## Research Monographs

### **Lectures on the Theory and Application of Modern Finance with R and ChatGPT**

FAVERO, C., C. TEBALDI - "Lectures on the Theory and Application of Modern Finance with R and ChatGPT" - 2025, World Scientific Publishers

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## Articles in Scholarly Journals

### **Financial Contagion in Network Economies and Asset Prices**

BURASCHI, A., C. TEBALDI, "Financial Contagion in Network Economies and Asset Prices", *Management Science*, 2024, vol. 70, no. 1, pp. 485-506

### **Optimal order execution under price impact: a hybrid model**

DI GIACINTO, M., C. TEBALDI, T.-H. WANG, "Optimal order execution under price impact: a hybrid model", *Annals of Operations Research*, 2024, vol. 336, pp. 605–636

### **Saving for retirement in Europe: the long-term risk-return tradeoff**

BERARDI, A., C. TEBALDI, "Saving for retirement in Europe: the long-term risk-return tradeoff", *Journal of Pension Economics & Finance*, 2024, vol. 23, no. 2, pp. 272-293

### **Multivariate Wold decompositions: a Hilbert A-module approach**

CERREIA-VIOGLIO, S., F. ORTU, F. SEVERINO, C. TEBALDI, "Multivariate Wold decompositions: a Hilbert A-module approach", *Decisions in Economics and Finance*, 2023, vol. 46, no. 1, pp. 45-96

### **Financial Interpretation of Feller's Factorization**

CARR, P., C. TEBALDI, "Financial Interpretation of Feller's Factorization", *Journal of Derivatives*, 2022, vol. 30, no. 2, pp. 49-63

### **Star-Shaped Risk Measures**

CASTAGNOLI, E., G. CATTELAN, F. A. MACCHERONI, C. TEBALDI, R. WANG, "Star-Shaped Risk Measures", Operations Research, 2022, vol. 70, no. 5, pp. 2637-2654

### **The Price of the Smile and Variance Risk Premia**

GRUBER, P. H., C. TEBALDI, F. TROJANI, "The Price of the Smile and Variance Risk Premia", Management Science, 2021, vol. 67, no. 7, pp. 4056-4074

### **Self-Organized Criticality in Economic Fluctuations: The Age of Maturity**

TEBALDI, C., "Self-Organized Criticality in Economic Fluctuations: The Age of Maturity", Frontiers in Physics, 2021, vol. 8, pp. 616408

### **A persistence-based Wold-type decomposition for stationary time series**

ORTU, F., F. SEVERINO, A. TAMONI, C. TEBALDI, "A persistence-based Wold-type decomposition for stationary time series", Quantitative Economics, 2020, vol. 11, no. 1, pp. 203-230

### **The scale of predictability**

BANDI, F. M., B. PERRON, A. TAMONI, C. TEBALDI, "The scale of predictability", Journal of Econometrics, 2019, vol. 208, no. 1, pp. 120-140

### **A Multivariate Model of Strategic Asset Allocation with Longevity Risk**

BISETTI, E., C. A. FAVERO, G. NOCERA, C. TEBALDI, "A Multivariate Model of Strategic Asset Allocation with Longevity Risk", Journal of Financial and Quantitative Analysis, 2017, vol. 52, no. 5, pp. 2251-2275

### **Long-Run Risk and the Persistence of Consumption Shocks**

ORTU, F., A. TAMONI, C. TEBALDI, "Long-Run Risk and the Persistence of Consumption Shocks", Review of Financial Studies, 2013, vol. 26, no. 11, pp. 2876-2915

### **A "coherent state transform" approach to derivative pricing**

PERISSINOTTO, L., C. TEBALDI, "A "coherent state transform" approach to derivative pricing", International Journal of Theoretical and Applied Finance, 2009, vol. 12, no. 02, pp. 125-151

### **Solvable affine term structure models**

GRASSELLI, M., C. TEBALDI, "Solvable affine term structure models", Mathematical Finance, 2008, vol. 18, no. 1, pp. 135-153

### **A multifactor volatility Heston model**

DA FONSECA, J., M. GRASSELLI, C. TEBALDI, "A multifactor volatility Heston model", Quantitative Finance, 2008, vol. 8, no. 6, pp. 591-604

### **Stochastic Jacobian and Riccati ODE in affine term structure models**

GRASSELLI, M., C. TEBALDI, "Stochastic Jacobian and Riccati ODE in affine term structure models", Decisions in Economics and Finance, 2007, vol. 30, no. 2, pp. 95-108

### **Option pricing when correlations are stochastic: an analytical framework**

FONSECA, J. D., M. GRASSELLI, C. TEBALDI, "Option pricing when correlations are stochastic: an analytical framework", Review of Derivatives Research, 2007, vol. 10, no. 2, pp. 151-180

### **Hedging using simulation: a least squares approach**

TEBALDI, C., "Hedging using simulation: a least squares approach", Journal of Economic Dynamics and Control, 2005, vol. 29, no. 8, pp. 1287-1312

### **Bond Price and Impulse Response Function for the Balduzzi, Das, Foresi and Sundaram (1996) Model**

GRASSELLI, M., C. TEBALDI, "Bond Price and Impulse Response Function for the Balduzzi, Das, Foresi and Sundaram (1996) Model", Economic Notes, 2004, vol. 33, no. 3, pp. 359-374

### **Hedging a Portfolio of Derivative Securities: A Simulation Approach**

TEBALDI, C., "Hedging a Portfolio of Derivative Securities: A Simulation Approach", Economic Notes, 2001, vol. 30, no. 2, pp. 257-279

### **Multifractal Scaling in the Bak-Tang-Wiesenfeld Sandpile and Edge Events**

TEBALDI, C., M. DE MENECH, A. L. STELLA, "Multifractal Scaling in the Bak-Tang-Wiesenfeld Sandpile and Edge Events", Physical Review Letters, 1999, vol. 83, no. 19, pp. 3952-3955

### **Rare events and breakdown of simple scaling in the Abelian sandpile model**

DE MENECH, M., A. L. STELLA, C. TEBALDI, "Rare events and breakdown of simple scaling in the Abelian sandpile model", Physical Review E, 1998, vol. 58, no. 3, pp. R2677-R2680

### **Branching Processes and Evolution at the Ends of a Food Chain**

CALDARELLI, G., C. TEBALDI, A. L. STELLA, "Branching Processes and Evolution at the Ends of a Food Chain", Physical Review Letters, 1996, vol. 76, no. 26, pp. 4983-4986

### **Self-organized critical scaling at surfaces**

STELLA, A. L., C. TEBALDI, G. CALDARELLI, "Self-organized critical scaling at surfaces", Physical Review E, 1995, vol. 52, no. 1, pp. 72-75

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## **Contribution to Chapters, Books or Research Monographs**

### **Optimal Asset Allocation with Heterogeneous Persistent Shocks and Myopic and Intertemporal Hedging Demand**

DI VIRGILIO, D., F. ORTU, F. SEVERINO, C. TEBALDI, "Optimal Asset Allocation with Heterogeneous Persistent Shocks and Myopic and Intertemporal Hedging Demand" in Behavioral Finance: the coming of age., Itzhak Venezia (Ed.), World Scientific Publishers, pp. 57-108, 2019

### **Risk-Neutral Pricing: Trees**

TEBALDI, C., P. VERONESI, "Risk-Neutral Pricing: Trees" in Handbook of Fixed-Income Securities., Pietro Veronesi (Ed.), John Wiley & Sons, chap. 17, pp. 389-413, 2016

### **Risk-Neutral Pricing: Monte Carlo Simulations**

TEBALDI, C., P. VERONESI, "Risk-Neutral Pricing: Monte Carlo Simulations" in Handbook of Fixed-Income Securities., Pietro Veronesi (Ed.), John Wiley & Sons, chap. 19, pp. 435-468, 2016