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# Monitoring Risks in Financial Markets

## WORKSHOP

**February 4, 2026 |** Piazza Strambi 1, Macerata | Aula 0.1

**PROGRAM DETAILS**

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14.00-14.30 | *Welcome and opening*

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14.30-16.10 | **Session: Machine learning in finance. Chair: L. Romeo** (Università di Macerata)
*A Nonlinear Target-Factor Model with Attention Mechanism for Mixed-Frequency Data*
**A. Brini** (Duke University), E. Seregina

*Generalizable Machine Learning for Corporate Bankruptcy Prediction: An XGBoost-Based Framework*
**G. Duca** (Università di Macerata), A. Bucci, R. Rosati, L. Romeo

*Spatiotemporal neural networks for return forecasts*
**D. Komis** (Università di Macerata), A. Bucci, L. Riccetti

*Clustering Realized Volatility by Good and Bad decomposition*
**R. Mattera** (Università degli Studi della Campania - Luigi Vanvitelli), G. Scepi

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16.30-17.45 | **Session: Financial modelling. Chair: A. Bucci** (Università di Macerata)
*Range-based signed volatility estimation and the good vol/bad vol conundrum*
**P. Duttilo** (Università degli Studi della Tuscia), M. Caporin, S. Paterlini

*What Do Stock Returns Tell Us About Economic Activity? A High-Frequency Approach*
**F. Ghezzi** (UC San Diego)

*Duration Modeling in the Presence of Zero-Duration Clusters*
**A. Morelli** (Università degli Studi di Milano), M. Caporin, E. Rossi

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17.45-19.00 | **Session: Volatility models. Chair: G. Palomba** (Università Politecnica delle Marche)
*Asymmetric Models for Realized Covariances*
**E. Dzuverovic** (Università Ca' Foscari di Venezia), L. Bauwens, C. Hafner

*A matrix-variate autoregressive model for time series of covariance matrices*
**M. Palma** (Università della Svizzera Italiana), A. Bucci

*Spillovers and Co-movements in Multivariate Volatility: A Vector Multiplicative Error Model*
**L. Scaffidi Domianello** (Università di Catania), E. Otranto

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19.00 | *Closing and dinner*

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The workshop can be followed on-line at:

https://events.teams.microsoft.com/event/5a9335a4-6de6-4c17-af29-b4aec50397a4@1aceb148-a22a-49fb-b0f8-18319c256a74

The event is funded within the PRIN2022 project "*Monitoring Risks in Financial Markets*," CUP: D53D23008350001. Project number: 2022NEL482.

For any questions, please email andrea.bucci@unimc.it with the subject "Monitoring Risks in Financial Markets @Unimc".

**Organizing Committee**: Andrea BUCCI, Diana KOMIS, Luca ROMEO