



UNIVERSITÀ DEGLI STUDI DI TORINO

Dipartimento di Scienze Economico-Sociali e Matematico-Statistiche

Master Degree in Quantitative Finance and Insurance

SEMINAR ANNOUNCEMENT

On Thursday, April 21, 2022, 16:15-17:45, in Aula Corradetti

Luca Sitzia (Unicredit) will hold a seminar on

***Behavioral modelling and Artificial Intelligence in
Financial Risk***

Abstract. Managing a Commercial Bank Balance Sheet entails a proper representation of liquidity aspects as well as of interest rate risks. While for trading items a "standard" pricing framework can be applied, some banking book positions need to be regarded from a different angle, considering the behavioural optionalities that are embedded both on funding and on lending sides - for instance, current accounts without a predefined duration, or loans that can be repaid before maturity. A proper representation of these aspects requires the application of forecasting models on long time horizons, based on big databases and that can be developed with different levels of sophistication, up to Neural Network models.

Luca Sitzia works in UniCredit since 2012 as Financial Risk Modeler. He holds a PhD in Statistics and Finance at Turin University, and a master at Paris Marne-La-Vallée; he cooperates with several universities holding lessons and seminars. He works on financial models for pricing, valuation adjustments, counterparty risk, prudent valuation and behavioral models, exploring applications of advanced analytics and machine learning techniques.