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Lessons learned from studying high-frequency data in finance

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Visions Theatre, National Museum of Australia, Acton Peninsula

This lecture is free and open to the public. No bookings required.
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In the last 15 years the availability of vast amounts of price data from financial markets has required the development of new ways to understand the information. In return, new insights have been gained into the way markets actually work.

This lecture will show how the analysis of high-frequency data has opened up the field of finance. A new picture is proposed where agents have diverse expectations and differ essentially by how often they deal with the market in question. Based on this view, Dr Dacorogna will propose a model that captures the heterogeneity of the market and is able to predict the short-term volatility of prices with accuracy.



Dr Michel M. Dacorogna heads up the risk modeling team for international insurance company Converium. He is also one of the founding members of Olsen & Associates, a company specialising in forecasting and risk management models for financial markets.

Dr Dacorogna is the author of *An Introduction to High Frequency Finance* (Academic Press, San Diego, 2001) and has delivered numerous articles and presentations on the analysis of dynamic systems behaviour. He received his Habilitation, PhD and MSc in Physics from the University of Geneva in Switzerland, and has worked as a research fellow in the solid-state physics theory group at the University of California at Berkeley.

