

## **Abstract**

Intraday periodicity (IP) in volatility of risky assets is a widely acknowledged stylized fact of intraday price data. In this talk, we first discuss the influence of IP on common realized measures for integrated daily volatility from a theoretical perspective. We consider both finite sample and asymptotic points of view. The effects of IP on test for jumps in asset prices as well as the consequences of IP misspecification are then investigated in a Monte Carlo study. To conclude, we provide an empirical illustration and outline some avenues for further research.