Leverage effect in Stochastic Volatility models. What is it and what are conditions for its appearance?

PRESENTED BY:

Dr. Ionut Florescu

Department Mathematics
Stevens Institute of Technology

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In this talk I will consider two general classes of stochastic volatility models. I define the leverage effect and we calculate it using both models. We show that this effect -whatever it is- can be generated by a simpler stochastic volatility model than previously thought. This is important since simpler models means easier to estimate.