

# SCMS Seminar



## ON VERTEX-TRANSITIVE GRAPHS OF PRIME POWER ORDER

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**Time:** 16:00-17:00, Fri, May 5, 2017

**Venue:** Room 2201, East Main Guanghua Tower, Handan Campus

**Abstract:** In this talk we introduce what we call strong Cayley graphs and weak Cayley graphs and provide examples of these graphs, as well as non-Cayley vertex-transitive graphs. Many of these graphs are of prime power order. In particular, we show that a complete graph is a strong Cayley-graph if and only if it is of a prime order or a square of a prime order.