



# Number Theory and Combinatorics Seminar

## Mathematics & Computer Sciences

Thursday, July 22, 2010  
2:00–2:50 pm in room C630



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### Multiplicative functions, transcendence, and automaticity

In this talk we will present some questions and results about the automaticity (and non-automaticity) of multiplicative functions.

The discussion will center around questions about the partial sums of multiplicative functions, transcendence of associated functions and numbers, as well as the characterization of automatic multiplicative functions.

The talk will be accessible to undergraduate students.

**Everyone is welcome !**