



Pacific Institute *for the*  
Mathematical Sciences

# PIMS LUNCHBOX LECTURE

## MASON PORTER

Thursday November 24, 2016

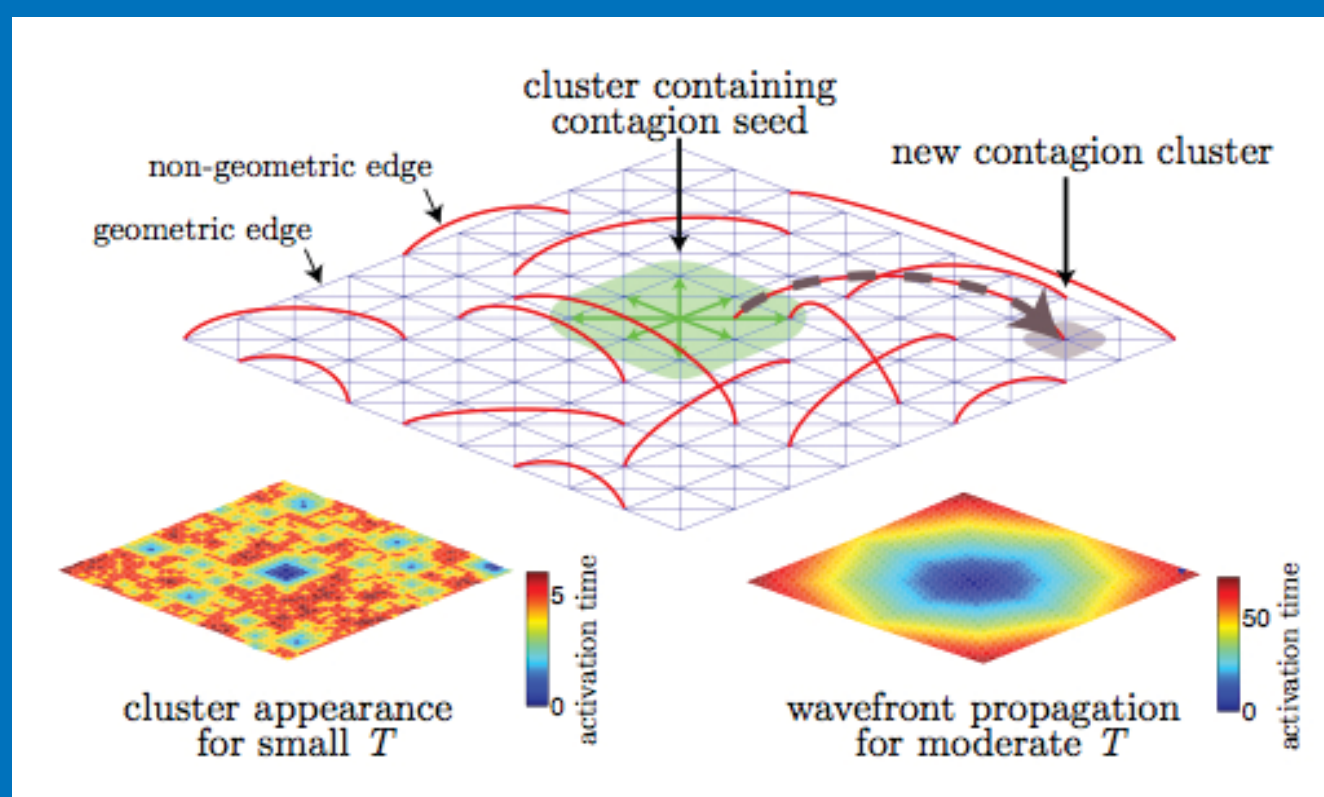
12:00pm

Downtown Campus, University of Calgary

### CONTAGIONS ON NETWORKS

Mason Porter

(Department of Mathematics, UCLA)



I'll give an introduction to modeling contagion processes on networks. I will discuss both biological and social contagions, and I will focus especially on the latter. I will consider what subjects like dynamical systems, statistical physics, and computational algebraic topology can tell us about social influence on networks, measuring the spread of contagions, and when they follow an underlying space and when they skip around.

**WEBSITE & REGISTRATION:** [HTTP://WWW.PIMS.MATH.CA/INDUSTRIAL-EVENT/161124-PLLMP](http://www.pims.math.ca/industrial-event/161124-PLLMP)  
(A light lunch will be provided. Please RSVP)

