

MATHEMATICS AND COMPUTER SCIENCE
COLLOQUIUM



JAVAD MASHREGHI

**Department of Mathematics and Statistics
Université Laval**

Title: Mapping theorems for the numerical range of matrices

Abstract: The spectral mapping theorem is one of the most important results in matrix/operator theory. However, the same statement fails for the numerical range. In this talk, we provide several examples to reveal the relation between spectrum and numerical range. Then we discuss a weak version of the spectral mapping theorem that can be extended for the numerical range. This point of view leads us to Halmos conjecture and theorems of Berger-Stampfli and Drury.

Wednesday—July 5, 2017

Room: C620

Time: 12:00—12:50 pm

Light refreshments—everyone welcome!