

PIMS-LETHBRIDGE SEMINAR IN OPTIMIZATION
**(JOINT WITH THE DEPARTMENT OF MATHEMATICS &
COMPUTER SCIENCE COLLOQUIUM SERIES)**

DATE: **Friday – 27 September 2013**

TIME: **12:00 – 12:50 pm**

LOCATION: **D632**

SPEAKER: Sarah Ibri, PhD

TITLE: Optimization in the management of emergency vehicles

ABSTRACT: Decision makers have two important problems to solve in the management of emergency vehicles. First is the dispatching problem, the allocation of vehicles to assist emergency calls in "best response times". Second is a covering problem whose goal is keeping the region under surveillance well-covered by relocating the available vehicles. We present these problems in a general setting along with the different models and methods used in their solution. We also illustrate several related systems and practical applications.

BIO:

Sarah Ibri is an Assistant Professor at Chlef University, Algeria. She earned her PhD degree in Computer Science from the University of Sciences and Technology Houari Boumediene, Algeria. Her research interests include optimization, planning problems in transport and emergency management, location problems and distributed artificial intelligence.

OPEN TO ALL INTERESTED PERSONS.

