



De: Centre de recherches mathématiques crm@crm.umontreal.ca
Objet: COLLOQUE DES SCIENCES MATHÉMATIQUES DU QUÉBEC (13/04/2018, Eva Bayer)
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COLLOQUE DES SCIENCES MATHÉMATIQUES DU QUÉBEC
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DATE :
Le vendredi 13 avril 2018 / Friday, April 13, 2018

HEURE / TIME :
16 h / 4:00 p.m.

CONFÉRENCIER(S) / SPEAKER(S) :
Eva Bayer (École Polytechnique Fédérale de Lausanne)

TITRE / TITLE :
Local-global principles in number theory

LIEU / PLACE :
UQAM, pavillon Président-Kennedy, 201, av. du Président-Kennedy, salle PK-5115

RESUME / ABSTRACT :
One of the classical tools of number theory is the so-called local-global principle, or Hasse principle, going back to Hasse's work in the 1920's. His first results concern quadratic forms, and norms of number fields. Over the years, many positive and negative results were proved, and there is now a huge number of results in this topic. This talk will present some old and new results, in particular in the continuation of Hasse's cyclic norm theorem. These have been obtained jointly with Parimala and Tingyu Lee.

Responsables :
Olivier Collin (UQÀM)
Henri Darmon (Université McGill)
Dimitris Koukoulopoulos (Université de Montréal)
Iosif Polterovich (Université de Montréal)
David Stephens (Université McGill)
Hugh Thomas (UQÀM)
Yi Yang (Université McGill)
