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Objet: COLLOQUE DES SCIENCES MATHÉMATIQUES DU QUÉBEC (02/04/2015, Konstantin Mischaikow)
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COLLOQUE DES SCIENCES MATHÉMATIQUES DU QUÉBEC / Sherbrooke
<http://www.crm.umontreal.ca/Colloques/colloqueSMQ-Sherbrooke.html>

DATE :
Le jeudi 2 avril 2015 / Thursday, April 2, 2015

HEURE / TIME :
16 h 30 / 4:30 p.m.

CONFÉRENCIER(S) / SPEAKER(S) :
Konstantin Mischaikow (Rutgers University)

TITRE / TITLE :
A combinatorial approach to dynamics applied to switching networks

LIEU / PLACE :
2500, boul. de l'Université, Sherbrooke (Québec), salle/room D3-2041

RESUME / ABSTRACT :
Models of multiscale systems, such as those encountered in systems biology, are often characterized by heuristic nonlinearities and poorly defined parameters. Furthermore, it is typically not possible to obtain precise experimental data for these systems. Nevertheless, verification of the models requires the ability to obtain meaningful dynamical structures that can be compared quantitatively with the experimental data. With this in mind we present a purely combinatorial approach to modeling dynamics. We will discuss this approach in the context of switching networks.

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Un coquetel aura lieu après le colloque, à la salle du conseil de la Faculté des sciences (D3-2042).