B. Buffoni – B. Dacorogna – J. Krieger - H.M Nguyên - Section Mathématiques

SEMINAIRE D'ANALYSE

➤ **VENDREDI 28 NOVEMBRE 2014 à 15h15 - salle MA A331**

Professeur **ERIC SERE** *(*Ceremade Dauphine, France) donnera une conférence sur le thème:

«The Peierls model of molecular chains»

The Peierls model describes independent electrons in a deformable one-dimensional finite or infinite chain of atoms. The atoms are treated as classical objects and the electrons are described by a simplified version of quantum mechanics. This leads to a system of coupled, discrete, nonlinear and nonlocal equations. I will present some mathematical questions on this model, some known rigorous results, and in particular a work in collaboration with Mauricio Garcia Arroyo.

Lausanne, le 24 novembre 2014
BD/BB/vl

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