

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

SEMINAIRE D'ANALYSE

➤ **VENDREDI 20 JUIN 2014 à 15h15 - salle MA A3 31**

Assistant Professor *Saugata* **BANDYOPADHYAY** (*Indian Institute of Science Education & Research Kolkata, Nadia / India*) donnera une conférence sur le thème:

«Calculus of variations with differential forms»

In this lecture, we outline the functional framework relevant for calculus of variations with differential forms. In this context, appropriate notions of convexity, namely ext. one convexity, ext. quasiconvexity and ext. polyconvexity are introduced. We study their relations, give several examples and counterexamples. We finally conclude with an application to a minimization problem. It is a joint work with Bernard Dacorogna and Swarnendu Sil.

Lausanne, le 10 juin 2014
BD/cr

Les séminaires d'Analyse sont annoncés sur le site caa.epfl.ch et sur <http://memento.epfl.ch/maths/>