THE UNIVERSITY   **OF HONG KONG**

Institute of Mathematical Research
Department of Mathematics

Working Seminar on Several Complex Variables and Complex Geometry

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Purdue University, USA

July 14, 2015 (Tuesday), 3:30 – 5:00pm

Room 210, Run Run Shaw Bldg., HKU

On harmonic maps, rigidity, lattices and mapping class groups

Abstract

The purpose of the talk is to explain the general approach to rigidity problems from the point of view of harmonic maps and Bochner type formula. Examples include rigidity of manifolds, rigidity of lattices in semi-simple Lie groups, and restrictions on homomorphism of lattices to the mapping class groups.

All are welcome