Indian Statistical Institute, Chennai Centre

Seminar Announcement / संगोष्ठी की घोषणा

Date/तारीख   : 15th September (Tuesday), 2015.

Time/ समय   : 4 pm – 5pm.

Venue/ स्थान   : SETS Auditorium, ISI-Chennai.

Speaker/ वक्ता   : Dr. Nijjwal Karak.

Affiliation: University of Jyväskylä, Finland.

Title/शीर्षक: Lebesgue points for Sobolev functions.

Abstract: We study the set of non-Lebesgue points for Sobolev functions defined on metric measure spaces. In this talk, I will first give some definitions and preliminary results. I will discuss the relation between capacity and Hausdorff measure of a set in R^n and also in metric measure spaces. Then I will mention the results about Lebesgue points for functions in Sobolev space $N^{1,p}(X)$, where X is a metric measure space and present the ''improvement'' we have got in the case when p equals the ''dimension'' of the space X. I will also talk about generalized Lebesgue points for functions in Hajlasz-Sobolev spaces $M^{1,p}(X)$, $0<p<1$ and also in Hajlasz-Besov spaces and Hajlasz-Triebel-Lizorkin spaces.

This is a joint work with Prof. Pekka Koskela.

सभी को आमंत्रित कर रहे हैं|

All are invited.

Seminar Coordinator