

Speaker: Prof. Pabitra Pal Choudhury

Affiliation/About the speaker: Professor of Computer Science,
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Center(ISEC), ISI-Kolkata.

Title: New Mathematical Ideas and Applications in Genomics

Abstract: Firstly, we will introduce Carry Value Transformation(CVT) and will try to understand the famous Goldbach Conjecture in the light of CVT. Next we will discuss the generalized form of CVT, called IVT (Integral Value Transformation) and try to understand another famous conjecture, Collatz Conjecture, in the light of IVT. Actually we had solved the characterization of Collatz-like IVTs. Finally, if time permits, we will discuss the classification strategies of n-variable Boolean functions to apply in classification of Proteins, our ongoing studies in Genomics.

Time: 4pm - 5pm, 23rd July, 2014.

Venue: SETS Auditorium, ISI-Chennai