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2nd International Conference on Mathematical

Sciences and Applications

Conference Program for 16th December 2012

**Welcome of all the participants, Registration and Collection of Conference Kit start from 9 am to 9.30 am**

**Session 1 start from 9.30 am to 10.15 am (Session Chair: Dr. Seema Sarkar (Mondal))**

**Special Lecture Dr. Seema Sarkar (Mondal)on Operations Research, NIT Durgapur, West Bengal**

1. Effect of Estimation in Generalized Quasi-likelihood and Hierarchical Likelihood: An Application in Type 2 Diabetes Patient  
     
   Presented by Atanu Bhattacharjee
2. New Chaotic Permutation & Substitution based Digital Image Encryption Technique

Presented by Kartik Dwivedi

1. A Note on Optical Near-Field Mapping of Plasmonic Nanoprisms over Noetherian Regular Delta Near Fileds (ONFMPN-NR-Delta-NR)

Presented by N Chandra Sekhara Rao

1. Design of a Hybrid Public Key Cryptosystem based on Differential Subset Sum

Presented by Nitin Jain

**Refreshments (10.15 am to 10.45 am)**

**Session 2: Start from 10.45 am to 1.45 pm (Session Chair: Mr. K.Anand Rao)**

1. IDENTIFYING SOLUTION ALTERNATIVES TO CURB EMPLOYEE ABSENTEEISM USING ANALYTIC HIERARCHY PROCESS  
     
   Presented by 1Engku Muhammad Nazri E. A. Bakar
2. Big Bang Theory

Presented by Versha Anand

1. FINITE DIFFERENCE SCHEME FOR SPACEFRACTIONAL DIFFUSION EQUATION WITH MIXED BOUNDARY CONDITIONS

Presented by Akanksha Shinde

1. Analytic Study of Generalized Fractional Hilbert Transform

Presented by Akil Sheikh

1. Feedback Effect in Bidirectional Disease Transmission in Cutaneous Leishmaniasis

Presented by Sutapa Biswas Majee

1. Analysis of Enzyme Kinetics by Mathematical Study

Presented by Sumit Nandi

1. Generalization of Fourier-Stieltjes Transform  
     
   Presented by Vidya Sharma
2. Characteristic Fast Marching Method on Triangular Mesh for a Generalized Eikonal Equation

Presented by Daisy Dahiya

1. A Selection Procedure for Strong Solution to Degenerate Diffusion

Presented by Chandan Pal

1. I-Open sets in Ideal Bitopological Spaces

Presented by Mandira kar

1. NEW IDEAS ON NUMBER THEORY

Presented by Enzo Bonacci

1. A Note on Optical Near-Field Mapping of Plasmonic Nanoprisms over Noetherian Regular Delta Near Fileds (ONFMPN-NR-Delta-NR)

Presented by N V Nagendram

# VARIABILITY IN SOLVENCY RATIO OF INDIAN PRIVATE NON-LIFE INSURERS

Presented by K Anand Rao

**Lunch (1.45 pm to 2.30 pm)**

**Second session 3: Start from 2.30 pm to 5.30 pm (Session Chair: Prof. V.Ulziibayar)**

1. The Best Finite-Difference Scheme for the Wave Equation

Presented by V.Ulziibayar

1. Shock wave prediction by the application of trigonometry

Presented by Neeraj Jasher

1. Boundary Value Problems involving Flow of Multi-layered Fluid over Undulating Bottom in a Channel

Presented by Srikumar Panda

1. Mathematical Model for Suppression of Sand Flies through IRS with DDT in Visceral Leishmaniasis

Presented by Priti Kumar Roy

1. Optimisation of enzymatic product by mathematical control approach

Presented by Rupa Bhattacharya

1. Mathematical Modeling of Enfuvirtide - IL-2 Administration in Impulsive Mode for HIV-1 Treatment

Presented by Sonia Chowdhury

1. A Fractional Order Differential EquationModel of Psoriasis in Presence of Suppression on Dendritic Cells

Presented by Nikhilesh Sil

1. Mathematical Study on T-Cell Proliferation in the Chronic Plaque of Psoriasis  
     
   Presented by Abhirup Datta
2. Proposing a Modified Dijkstra’s Algorithm

Presented by Susmita Bandyopadhyay

25. A Membership Function Solution Approach to Analytic Hierarchy Process

Presented by S.Supraja

1. LEFT SDF RINGS

Presented by Ardeline M. Buhphang

1. Some properties of Armendariz modules

Presented by Angom Tiken Singh

1. A Study of Traffic Management at Toll Plaza on the Delhi-Gurgaon Expressway

Presented by Priti Bajpai