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Academic Programme

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Ph.D Programme

R Muralikrishna (Guide: G Prathap)

P Jafarali (Guide: G Prathap, Co-guide: Mohammed Ameen)

V.Senthilkumar (Guide: G Prathap, Co-guide: S C Pradhan)

K Madhukar (Guide: T R Ramamohan)

S Himesh (Guide: P Goswami, Co-guide: S V Goud)

K C Gouda (Guide: P Goswami)

M S M Vijayan (Guide: Sridevi Jade)

Saigeetha Jagganathan (Guide: Sridevi Jade)

Seminar by Project Trainees (M Tech Thesis/B E, MCA Project)

V Anil Kumar

A Simulation Study on the Effect of Bursty Traffic on Internet, Prabha Elizabeth Varghese, Vellore Institute of Technology, Vellore, 17 May 2006

Experimental Study on Impact of Bursty Traffic on Edge Routers, Kiran Kumar Babu S K, NITK, Surathkal, 14 July 2006

Unsolicited Packet Analyzer, Bodhy Krishna S, DoEACC Centre, Calicut, 01 December 2006.

SoftNetTap: A Packet Capturing Tool for Network Monitoring, Anupama Sadanand, University of Calicut, Kerala

P Goswami

Forecasting Daily Variation of Suspended Particulate Matter over Delhi, Jurismita Baruah, Project Assistant, 15 March 2007

Imtiyaz A Parvez

Coda Wave Attenuation Study in Andaman Region using Local Earthquake, Mridula M, Project Assistance, 24 November 2006.

Elastic Green's Function from Random Wave Fields, Bishwa Jyoti Das, Tezpur University

Probability of Occurrence of Different Magnitude Earthqauke in Sikkim Himalaya, Sidhartha Sarothi Borah, Tezpur University

Receiver Function Analysis of Broadband Seismic Data, Kawsar Ahmed Laskar, Tezpur University

G K Patra

Cryptography using Lorenz Dynamics, Rohini K, Shruti C, Vijula Prabha N, Vishnu Priya R, New Horizon College of Engineering, 12 May 2006.

Cryptanalysis of Zero Knowledge Identification Protocol, Poornima N, Sheba Grace S, Veni C P, Golden Valley Institute of Technology, KGF, 18 May 2006.

P Goswami and K V Ramesh

Design and Development of Search Algorithm for Extreme Weather Events, Gyanavikash Gogai, Ananya Biswas, Mousumi Hazarika**,** Assam Engineering College, 14 November 2006

G Prathap and V.Senthilkumar

Error Analysis of One-dimensional Finite Elements, Mushin Mohammed Ameen, National Institute of Technology, Calicut, Kerala.

Courses at C-MMACS

Training Programme on Mathematical Modelling and Computer Simulation, C-MMACS, 3-8 April 2006

This training programme was arranged for the Engineers of Kirloskar Copeland Ltd., Karad, Maharashtra.

The topics covered in the training programme were Introduction to Mathematical Modelling and Computer Simulation, Differential Equations, Finite Element Analysis, Finite Difference methods, Linear Algebra, Finite Volume Method, Introduction to MATLAB, CFDACE. Lectures were delivered by Gangan Prathap, KS Yajnik, PS Swathi, MK Sharada, V Senthil Kumar of C-MMACS, S Mukherjee, S K Dash, H S Muralidhara, S Ravishankar and C Praveen from NAL.

Intensive Course on Inverse Modelling, C-MMACS, 19 June – 1 July 2006

The course dealt exclusively with discrete inverse problems with a finite number of parameters. Some real problems are naturally discrete, while others contain functions of a continuous variable and can be discretized if the functions under consideration are smooth enough compared to the sampling length, or if the functions can conveniently be described by their development on a truncated basis.

Prof. Albert Tarantola, Univ. of Paris and Dr P K Gupta, IIT, Roorkee were the main speakers. Hands on tutorial sessions were also part of the course.

Faculty Participation

Intensive Course on Inverse Modelling, C-MMACS, Bangalore, 19 June -1 July 2006

Gangan Prathap, keynote address, Pierce, Einstein and Popper and the Logic of Discovery

V K Gaur, Radiative Transfer

N K Indira, Estimation of Carbon Fluxes

P S Swathi, Carbon Cycle I & II

Training Programme on Aspects of Neotectonics, Calcutta University, Kolkata. March 27, 2007.

Malay Mukul

General Plate Tectonics
Recent Crustal Deformation
GPS and Crustal Deformation

DST sponsored Basic Training School on Computational Fluid Dynamics with Thrust on Atmospheric Sciences, UGC-Centre for Advanced Studies in Fluid Mechanics, Bangalore University,7-8 November 2006

G K Patra, Introduction to Parallel and High Performance Computing.

K V Ramesh, Numerical Methods and Parallel Programming.

Training Programme on Introduction to Mathematical Modelling and Computer Simulation, Bangalore, 5 April 2006

V Senthilkumar, Usage and Applications of MATLAB