Workshop on Reliability Theory & Survival Analysis

Date: 25th-27th November 2010

Venue: Department of Mathematics, IIT Bombay

Organizing Committee: S.V. Sabnis (IIT Bombay)
J.V. Deshpande (IIT Bombay)
Isha Dewan (ISI New Delhi)
Anup Dewanji (ISI Kolkata)
Debashish Kundu (IIT Kanpur)
U.V. Naik-Nimbalkar (University of Pune)
P.G. Sankaran (Cochin University of Science & Technology, Cochin)
Sharad Varde (Warwick Manufacturing Group)

Format: This workshop will comprise of the following two mini-workshops.

	Topics	Speaker
Mini-Workshop #1	Risk Analysis	Prof. Tim Bedford University of Strathclyde Glasgow, Scotland
Mini-Workshop #2	Financial Risk cum Survival Analysis	Prof. J.V. Deshpande IIT Bombay

It may be noted that these two mini-workshops are going to be interspersed with paper presentations and a few time slots will be reserved for the same.

Target Audience: Faculty members and research scholars from Indian Universities/Institutions.

The maximum number of research scholars to be admitted is 30. The research scholars are requested to submit a copy of their CV and arrange for a recommendation letter from their thesis advisor. The last date for submission of registration form and other documents is **20th September 2010**. The decision regarding acceptance of their request for participation in the workshop will be communicated by **27th September 2010**.

Funding: Lodging and boarding will be provided free of charge to all participants. However, suitable travel assistance will be provided subject to availability of funds.

Interested persons are requested to contact

S.V. Sabnis
Department of Mathematics
IIT Bombay
Powai
Mumbai 400076
E-mail: svs@math.iitb.ac.in, sabnissanjeev@gmail.com
Phone nos: (022) 25767474 (O), (022) 2576 8474 (R)
Mobile: 9833266855

Workshop on Reliability Theory & Survival Analysis

November 25-27, 2010

Department of Mathematics, IIT Bombay

Registration Form

1. Name of the participant:

2. Sex: Male ☐ Female ☐

3. Institution / Organization:

4. Designation

5. Contact Address: (Please give phone/mobile no. and email)

6. Paper presentation: Yes ☐ No ☐

   If yes, title of the paper:

7. Accommodation Required: Yes ☐ No ☐

8. Date of Arrival : November 24 / 25, 2010

9. Time of arrival at IIT Bombay :

10. Date of Departure : November 27 / 28, 2010

11. Time of departure from IIT Bombay :

Signature of Applicant :

Date :

Place :

Workshop on Reliability Theory & Survival Analysis 25-27th November 2010

Venue: Ramanujan Hall, Dept. of Mathematics, IIT Bombay

Workshop Schedule

TIME	25th NOVEMBER (Thursday)	26th NOVEMBER (Friday)	27th NOVEMBER (Saturday)
9:30-11:00	Prof. J.V. Deshpande Mini-workshop No. 2	Prof. J.V. Deshpande Mini-workshop No. 2	Prof. J.V. Deshpande Mini-workshop No.2
11:00-11:30	Tea Break	Tea Break	Tea Break
11:30-1:00	Prof. Tim Bedford Mini-workshop No.1	Prof. Tim Bedford Mini-workshop No. 1	Prof. Tim Bedford Mini-workshop No. 1
1:00-2:15	Lunch	Lunch	Lunch
2:15-4:00	Paper presentation (Session I)	Paper presentation (Session II)	Paper presentation (Session III)
4:00-4:30	Tea Break	Tea Break	Tea Break
4:30-6:00	Prof. Tim Bedford Mini-workshop No. 1	Mini-workshop related Discussion	Mini-workshop related Discussion/ Concluding Session**

Mini-Workshop No.1 Title: Risk Analysis

Mini-Workshop No.2 Title: Financial Risk-cum-Survival Analysis

Paper Presentation: Session 1

1	Biswabrata Pradhan ISI Kolkata	Nonparametric Estimation of Quality Adjusted Lifetime (QAL) Distribution in some Illness Death Model
2.	Aditya Chatterjee University of Calcutta	Statistical Issues of Surveillance
3.	T.P.M. Fareed, Ford Credit Global Risk Management	Credit Risk Modelling using Survival Analysis
4.	C.H.V. Rama Sankar Ford Credit Global Risk Management	For Credit Global Risk Management Concordance Probability as a Power of Discrimination with special reference to Survival Models

Paper Presentation: Session 2

1.	David Hanagal University of Pune	Optimal Replacement Policies Based on Number of Down Times
2.	K. Muralidharan M.S. University of Baroda	Repairable Systems Reliability Models
3.	Preeti Srivastava University of Delhi	Bayesian Prediction of the Overall effect on a Repairable system with Bounded Failure Intensity
4.	G. Asha, Cochin University of Science & Technology	On Reliability Properties of Preventive Maintenance Model

Paper Presentation: Session 3

1.	Sudesh Pundir Pondicherry University	A review of Inequality Measures & ROC curves
2.	S.M. Sunoj Cochin University of Science & Technology	On some Dynamic Information Measures
3.	Sudeesh Kumar Kattumannil University of Hyderabad	On aging concepts of Discrete Data
4.	Sai Sundarakrishna GM Global R&D and strategic planning	Soft-Science Models behind Quality, Reliability and Durability (QRD)

Institute Guest House: Van Vihar (new Guest House)

Phone no: (022) 2576 8945 (Van Vihar Guest House office) (available 24 hrs)

Phone no: (022) 2576 8960 (IIT Telephone Operator) (available 24 hrs)

1	Prof. Tim Bedford	Univ of Strathclyde, Glasgow, Scotland
2	Prof. Anup Dewanji Prof. B. Pradhan	ISI Kolkata -do-
3	Prof. Neeraj Mishra Prof. Debasis Kundu	IIT Kanpur -do-
4	Prof. P.G. Sankaran Prof. K. Muralidharan	CUSAT MS Univ of Baroda
5	Prof. David Hanagal Prof. D. Shirke	Univ. of Pune Shivaji University
6	Prof. Aditya Chatterjee Dr. M. Anis	Univ. of Calcutta ISI Kolkata
7	Dr. T.P.M. Fareed Dr. C.H.V. Rama Sankar	Ford Credit Global Risk Management –do-
8	Dr. Sudeesh Kattumannil and his wife	Univ. of Hyderabad
9	Dr. Asok Nanda Dr. Arnib Kumar Dey	IISER Kolkata IIT Guwahati
10	Dr. Sunoj Mr. Sai Sundarakrishna	CUSAT GM Global R & D and Strategic Planning
11	Dr. Arunanshu Ghosh Dr. Dinesh Thakur	Union Bank of India Dr. B.A.T. Univ. Lonere, Maharashtra

12	Prof. Isha Dewan Dr. Swagata Nandi	ISI Delhi -do-
13	Prof. Naik-Nimbalkar Prof. Kanchan Jain	Univ. of Pune Panjab University
14	Dr. Preeti Srivastava Dr. G. Asha	Univ. of Delhi CUSAT
15	Dr. Sudesh Pundir and her mother	Pondicherry Univ.

Boys' Hostel No 12

Phone no: (022) (2576 5612) (Hostel #12 General)

Phone no: (022) (2576 5727) (Hostel #12 Office) (available during office hrs)

Phone no: (022) (2576 8960) (IIT Telephone Operator) (available 24 hrs)

Mobile no: 9029123570 (This mobile number is that of Mr. Ashok Pathak who is a research scholar in Math dept.)

1.	Mahaveer Singh Panwar	BHU Varanasi
2.	Amit Misra	IIT Kanpur
3.	Harmanpreet Kapoor	Panjab University
4.	Ramparwesh Singh Gautam	BHU Varanasi
5.	Palash Ghosh	ISI Kolkata
6.	Buddhananda Banerjee	ISI Kolkata
7.	Dr. Vinit Sinha	IILM Academy of Higher Education
8.	Santosh Sutar	Univ. of Pune
9.	Bhushan Kamble	Shivaji University
10.	Shivaji Patil	Shivaji University.
11.	Dr. S. Subbiah	KGC College of Technology, Chennai
12.	Prof. Hare Krishna	Chaudhary Charan Singh University, Meerut

Girls' Hostel No. 10

Phone no: (022) (2576 5612) (Hostel 10 General)

Phone no: (022) (2576 5710) (Hostel 10 Office) (available during office hrs)

Phone no: (022) (2576 8960) (IIT Telephone Operator) (available 24 hrs.)

1.	Neetu Singla	Panjab University
2.	Rashmi Tiwari	Univ. of Delhi
3.	Richa Sharma	Univ of Pune
4.	Rupali Kannade	Univ. of Pune
5.	Pooja Soni	Panjab University
6.	Anju Goyal	Panjab University
7.	Meenu Goel	Panjab University

HOW TO GET TO IITB

IIT Bombay is located at Powai, which is an eastern suburb in the North-Eastern part of Mumbai.

Mumbai is in the form of a long narrow island, almost a peninsula, thrusting south wards into the Arabian Sea. It can be broadly divided into four zones.

South Bombay (Colaba, CST,Fort, Chruchgate, Nariman Point etc.)
Central Bombay (Dadar, Bombay Central, Worli etc)
The Western suburbs (Bandra, Juhu, Andheri, Borivali etc)
The Eastern Suburbs(Kurla, Chembur, Ghatkopar, Mulund, Kanjur Marg, Vikhroli etc.)

There is also New Bombay (Vashi, Turbhe etc.) across Thane Creek on the mainland.

Public Transport

Mumbai has one of the most efficient and reliable public transport network. One can travel by Autorickshaws / Taxis to reach IIT from the nearest stations(Autorickshaws, however do not go further south than Sion and Bandra). For longer distance, you can use either the BEST Bus Network or the Mumbai Local train System.

Suburban Railway Transport

Those coming by Central Railway Suburban train will have to get down at Kanjur Marg, Vikhroli or Ghatkopar which are the nearest stations from IITB. If you are coming by the Western Railway Suburban train you will have to get down at Andheri, Bandra, Goregoan or Malad. We give below the Road Network to reach IITB along with the approximate Bus/ Autorickshaws/ Taxi fare. (Click here to see the Road companion for IITB)


Mumbai
Road Network
N
WESTERN EXPRESS HIGHWAY
EASTERN EXPRESS HIGHWAY
Dahisar
Borivli
Manori
Monari Creek
Kandivli
Tulsi Lake
Malad East
Malad Creek
Aarey Milk Colony
Mulund
Goregaon
Vihar Lake
Madh
Bhandup
Jogeshwari
Powai Lake
IITB
Kanjur Marg
Click To See Map of IITB
Andheri
Sakinaka
Vikhroli
Juhu
Vile Parle
Ghatkopar
Santa Cruz
Khar
Sion
Bandra
Dharavi
Chembur
Mahim Bay
Mahim
Wadala
Trombay
Matunga
Worli
Dadar
Patel
Sewri
Mahalakshmi
Cumbala Hill
Byculla
Malabar Hill
Girgaum
Kalbadevi
Back Bay
Fort
Colaba
Tata Institute of Fundamental Research
Cuffe Parade
Homi Bhabha Auditorium
Colaba Point
Map not to Scale
City Boundary
Road

NAME OF PLACE	BUS NUMBERS	APPROX.BUS FARE	APPROX.AUTO FARE	APPROX.TAXI FARE
Mulund(W)	307, 346, 425, 396, 398, 460, 422, 424, 461	Rs.10.00	Rs.70.00	Rs.150.00
Bhandup(W)	SAME AS ABOVE	Rs.7.00	Rs.40.00	------
Kanjur Marg(W)	SAME AS ABOVE	Rs.5.00	Rs.20.00	------
Vikhroli(W)	392,382,337	Rs.6.00	Rs.30.00	------
Ghatkopar(W)	392,382.337	Rs.10.00	Rs.50.00	------
Borivali(E)	461, 398, L1	Rs.18.00	Rs.70.00	Rs.180.00
Goregaon(E)	460,489,424	Rs.15.00	Rs.70.00	------
Jogeshwari(E)	461,445	Rs.12.00	Rs.60.00	------
Andheri(E)	396,336,392,307	Rs.9.00	Rs.65.00	Rs.75.00
Bandra(E)	422,424	Rs.15.00	Rs.100.00	Rs.125.00
Kurla	-------	-------	Rs.70.00	Rs.130.00
Dadar	------	------	------	Rs.130.00
CST	------	------	------	Rs.225.00
Mumbai Central	------	------	------	Rs.230.00
Sahar Air Port	------	-----	------	Rs.100.00
Santacruz	------	------	------	Rs.150.00

Stations for Through Trains Coming to Mumbai

Central Railway	CST, Dadar, Kurla, Thane.
Western Railway	Mumbai Central, Dadar, Bandra, Andheri,Borivali, Kurla

There is a terminus at Kurla where some Central as well as Western Railway Trains terminate. There is no convenient bus route from Kurla terminus. An autorickshaw is the best option. However it would be more economical to take a suburban train from kurla to Kanjur Marg and then take an Auto.

AIR PORTS

International flights land at Sahar Airport which is about 7 kms from IIT. The Domestic Airport- SantaCruz is about 10 kms. Pre paid taxis are available at the Airports. Autorickshaws are also available for IIT.