

11.03.2022 Schedule (ICSIDS-2021)

Join through the link at 9.00 AM			
Inaugural Session (09.00 AM - 10.00 AM)			
Chair: Prof. K. Srinivasa Rao Time: 10.00 AM - 10.45 AM	Prof. B.L.S. Prakash Rao, AIMSCS	Title: Big Data and High-dimensional Data Analysis-Finance and Insurance.	
Switch to Break out Parallel Sessions (Break for 5 Minutes)			
Session Hall – A	Session Hall – B	Session Hall – C	Session Hall – D
<p>Time: 10.50 AM -11.25 AM (30 + 5 min)</p> <p>Prof. P.V. Sukhatme Endowment Lecture</p> <p>Chair: Prof. Somesh Kumar</p> <p>Speaker: Prof. P.G. Sankaran</p> <p>Title: Proportional Cause-specific Hazards Model for Recurrent Events</p>	<p>Time: 10.50 AM -11.25 AM (30 + 5 min)</p> <p>Prof. R. Ramanan Endowment Lecture</p> <p>Chair: Prof. S.C. Malik</p> <p>Speaker: Prof. K. Srinivasa Rao</p> <p>Title: The new Symmetric Distribution in Regression Analysis.</p>	<p>Time: 10.50 AM -11.25 AM (35x 3 min)</p> <p>Prof. G. Shankaranarayanan Symposium Lectures</p> <p>Chair: Prof. Krishnamurthy</p> <p>Speaker-1: Prof. G. Arivarignan</p> <p>Title: A Stochastic Production Inventory System with MAP arrivals for Two Types of Customers and Machine Breakdowns.</p>	<p>Time: 10.50 AM -12.00 AM</p> <p>Prof. S. N. Narahari Pandit Memorial Lecture</p> <p>Chair: Prof. P. Rajashekar Reddy</p> <p>Speaker-1: Prof. V.V. Haragopal</p> <p>Title: Contrasts between simple and complex classification algorithms – Music information retrieval</p>

<p>Time: 11.25 AM -12.00 Noon Probability Models - I</p> <p>Chair: David D. Hanagal</p> <p>Speaker: Prof. C. Satheesh Kumar</p> <p>Title: A Journey Beyond Standard Bivariate Discrete Models</p>	<p>Time: 11.25 AM -12.00 Noon Reliability Engineering - I</p> <p>Chair: Prof. K. Muralidharan</p> <p>Speaker: Parameshwar V. Pandit</p> <p>Title: On Statistical Inference for Stress-strength Reliability of s-out of-k System Based on Upper Records Under New Weibull- Pareto distribution.</p>	<p>Time: 11.25 AM -12.00 Noon G. Shankaranarayanan Symposium Lecture</p> <p>Chair: Prof. Krishnamurthy</p> <p>Speaker-2: Prof. S. Udayabaskaran</p> <p>Title: Stochastic Models of Carcinogenesis.</p> <p>Time: 12.00 Noon – 12.35 PM</p> <p>Speaker-3: Prof. Thangarajan</p> <p>Title: Random Polynomials-a cursoe view</p>	<p>Chair: Prof. V.V. Haragopal</p> <p>Speaker-2: Dr. Y. V. Subramanam Title: Big data and Anlytic's for business growth.</p> <p>Speaker-3: Koundinya Vajjha Title: Formalization of a Stochastic Approximation Theorem.</p> <p>Speaker-4: M. Vishnuvardhan Rao Title: Statistics in the era of AI and Big data</p>
<p>Time: 12.00 Noon – 1.35 PM Probability Distribution Models – I</p> <p>Chair: Prof. Surinder Kumar</p> <p>Contributory papers (10) S.No: [1] to [11]</p>	<p>Time: 12.00 Noon – 1.35 PM Reliability Engineering – II</p> <p>Chair: Prof. Sudheesh Kattumanil</p> <p>Contributory papers: (10) S. No: [34] to [43]</p>	<p>Time: 12.35 Noon – 1.35 PM Operation Research-1</p> <p>Chair: Prof. V.V. Haragopal</p> <p>Contributory papers: (7) S.No: [125] to [131]</p>	<p>Time: 12.00 Noon – 1.35 PM (60 Min) M. Sc. Students Project competition (Selection Committee)</p> <p>Chair Prof. C. Satheesh Kumar Member: Prof. Jitender Kumar, Member: Prof. Ashish Kumar, Member: Prof. Mahabir Barak,</p>
<p>Lunch Break [1.35 PM to 2.30 PM: 50 Min]</p>			
<p>Time: 2.30 PM – 3.05 PM Prof. A. M. Mathai Lecture</p> <p>Chair: Prof. C. Satheesh Kumar</p> <p>Speaker: Prof. Debasis Kundu</p>	<p>Time: 2.30 PM – 3.05 PM Prof. Y.C. Narasimhulu Endowment Lecture</p> <p>Chair: Prof. Parameshwar V. Pandit</p>	<p>Time: 2.30 PM – 3.05 PM Chair: Prof. S.C. Malik</p> <p>Speaker: Prof. David D. Hanagal</p>	<p>Time: 2.30 PM – 3.05 PM (30 Min)</p> <p>Chair: Dr. G. Sirisha Contributory papers (03) S. No: [195-197]</p>

<p>Title: Weighted Least Squares Estimators for Sinusoidal Model Parameters</p>	<p>Speaker: Prof. Isha Dewan</p> <p>Title: Tests for independence of failure time and cause of failure in competing risks model</p>	<p>Title: Positive Stable Shared Frailty Models Based on Additive Hazards</p>	
<p>Probability Models – II Time: 3.05 PM – 3.40 PM</p> <p>Chair: Prof. Sarada V Bhat</p> <p>Speaker: Prof. G. Jayasree</p> <p>Title: Some derived new power series distributions</p>	<p>Reliability Engineering – II</p> <p>Chair: Prof. R.K. Bhardwaj</p> <p>Speaker: Prof. S.C. Malik</p> <p>Title: Markov Approach for Evaluation of Reliability Measures of Repairable Systems.</p>	<p>Time: 3.05 PM – 5.35 PM Time Series Analysis-I Contributory papers session</p> <p>Chair: Dr.. R. Latpate</p> <p>S. No: [65] to [67]</p>	<p>Time: 3.05 PM – 5.35 PM</p> <p>Best Research Papers Competition (150 Min)</p> <p>Selection Committee:</p> <p>Chair: Prof. Parameshwar V. Pandit.</p> <p>Members:</p> <p>1. Prof. Anoop Chaturvedi 2. Prof. M.S. Kadyan</p>
<p>Break (5min)</p>	<p>Break</p>	<p>Break (5min)</p>	
<p>Time: 3.45 PM – 5.35 PM Probability Models – II</p> <p>Chair: Prof. G. Jayasree Contributory papers (15)</p> <p>S. No: [12] to [21] [194-194]</p>	<p>Time: 3.45 PM – 5.35 PM Reliability Engineering – II</p> <p>Chair: Prof. Sudheesh Kattumanil</p> <p>Contributory papers: (10)</p> <p>S. No: [44] to [53]</p>	<p>Contd... after break Time: 3.45 PM – 5.35 PM Time Series Analysis-I Chair: Prof. R. Latpate Contributory papers: (11)</p> <p>S. No: [68] to [77] [134]</p>	<p>Research papers presentation</p>

12.03.2022 Schedule (ICSDS-2021)

Join through the link at 9.00 AM			
Chair: Prof. J.V. Deshpande Time: 9.30 AM – 10.15 AM	Prof. Arup Bose ISI Kolkata Plenary Speaker	Title: Large Dimensional Random Matrices and its uses in Statistical Analysis	
Switch to Parallel Session (Break for 5 Minutes)			
Session Hall – A	Session Hall – B	Session Hall – C	Session Hall – D
Time: 10.20 AM -10.55 AM D D Hanagal Endowment lecture Chair: Prof. S.C. Malik Speaker: Prof. Somesh Kumar. Title: Inference Procedures for Exponential Models with a common minimum Guarantee Time	Time: 10.20 AM -10.55 AM M. P. Shastry Endowment Lecture Chair: Prof. P. Rajashekar Reddy Speaker: Prof. C. Raghavendra Rao Title: Genetic Algorithmic Approach for Zero Set	Time: 10.20 AM -10.55 AM Chair: Prof. Anup Chaturvedi Speaker: Prof. P. R. Vittal Title: Stochastic Finance in a Business Company Associated with Ruin, Bankruptcy, Restricted Reserve, Dividends and Dividends Strategy	Time: 10.20 AM -10.55 AM Chair: Prof. P.G. Sankaran Speaker: Prof. N. Balakrishna Title: Non-Gaussian Autoregressive-type Time Series
Parallel Sessions (2 x 30 + 10 x 7 = 60+70 = 130)			
Time: 11.00 AM -12.00 Noon Chair: Prof. Somesh Kumar Design & Analysis of Experiments- I Speaker-1: Prof. D.S. Hooda	Time: 11.00 AM -12.00 Noon Chair: Prof. Anoop Chaturvedi Speaker-1: Prof. M. Bhattacharjee	Stochastic Process-I Time: 11.00 AM -12.00 Noon Chair: Prof. G. Arivarigandan	Statistical Quality Control Time: 11.00 AM -12.00 Noon Chair: Prof. P. R. Vittal Speaker-1: Sharada V. Bhat

<p>Title: Estimation of Missing Data in Design of Experiment and Contingency Table</p> <p>Chair: Prof. Senthamari Kannan</p> <p>Speaker-2: Prof. R. Ramanan</p> <p>Title: Structural Equation Model using Analysis of Moment Structure</p>	<p>Title: Early assessment of Potential endemic pattern of COVID 19 in India.</p> <p>Sampling theory – I</p> <p>Speaker-2: Dr. Neha Garg</p> <p>Title: Calibration Estimation of Finite Population Mean in ACS Sampling</p>	<p>Speaker-1: Prof. K. Senthamarai Kannan</p> <p>Title: Higher Order Markov Modeling for Security System Allocation.</p> <p>Speaker-2: Prof. Rohtash K. Bhardwaj</p> <p>Title: Limiting performance Evaluation of Standby System Model</p>	<p>Title: Posterior Control Charts for Process Variation.</p> <p>Speaker-2: Prof. V. Kaviyarasu</p> <p>Title: Certain Quality Evaluation Methods in Quick Switching System Under Zero-Inflated Model</p>
<p>Design & Analysis of Experiments -I</p> <p>Time: 12.00 Noon -1.40 PM</p> <p>Chair: Prof. D.S. Hooda</p> <p>Contributory papers: (7) S No: [86] to [92]</p>	<p>Sampling Theory – I</p> <p>Time: 12.00 Noon -1.40 PM</p> <p>Chair: Dr. Neha Garg</p> <p>Contributory papers: (7) S No: [115] to [124]</p>	<p>Stochastic Process-I</p> <p>Time: 12.00 Noon -1.40 PM</p> <p>Chair: Prof. Prafulla Kumar Swain</p> <p>Contributory Papers: (7) S No: [173] to [183]</p>	<p>Statistical Quality Control</p> <p>Time: 12.00 Noon -1.40 PM</p> <p>Chair: Dr. V. Kaviyarasu</p> <p>Contributory papers: (6) S No: [132] to [138] except 134</p>
<p>Lunch Break (1.40 PM – 2.30 PM : 50 Min)</p>			
<p>Time: 2.30 PM – 3.40 PM</p> <p>Chair: Prof. R. Elangovan</p> <p>Speaker-1: Prof. Manoj Chacko</p> <p>Title: Progressively type-II hybrid censoring scheme and its application in parametric estimation.</p> <p>Speaker-2: Prof. Abdul Sathar</p> <p>Title: Geometric vitality function based on k-records.</p>	<p>Time: 2.30 PM – 3.40 PM</p> <p>Chair: Prof. Prameswar V Pandit</p> <p>Speaker: Dr. Isha Pathik Das</p> <p>Title: Multiple inflated multivariate negative binomial regression using copula.</p> <p>Speaker-2: Prof. K. K. Jose</p> <p>Title: COVID 19 Epidemic-Statistical Modeling, Forecasting and Risk Analysis.</p>	<p>Time: 2.30 PM – 3.40 PM</p> <p>Chair: Dr. Santosh P Gite</p> <p>Speaker-1: Dr. Ananya Lahiri</p> <p>Title: Some recent research interests in Statistical finance.</p> <p>Speaker-2: Dr. B.G. Manjunath</p> <p>Title On Bayesian inference and Goodness-of-fit tests for bivariate Pseudo-Poisson data</p>	<p>Time: 2.30 PM – 3.40 PM</p> <p>Chair: Prof. Sudhansu S Maiti</p> <p>Speaker-1: Prof. Prafulla Kumar Swain</p> <p>Title: Count data regression modelling: A review with applications to endometrial cancer patients.</p> <p>Speaker-2: Dr. Bindu Krishnan</p> <p>Title: Data Generation using GAN with Heavy Tailed Distributions</p>

Probability Models – III

Time: 3.45 PM to 5.30 PM

Chair: **Dr. A. Riyaz**

Contributory papers: (14)
S No: [22] to [33] & [33a]

Reliability Engineering- III

Time: 3.45 PM to 5.30 PM

Chair: **Dr. Subha R Nair**

Contributory papers: (11)
S No: [54] to [64]

Time Series Analysis - II

Time: 3.45 PM to 5.30 PM

Chair: **Dr. S.A. Jyothi Rani**

Contributory papers: (08)
S No: [78] to [85]

Sampling Theory – II (04)

Time: 3.45 PM to 5.30 PM

Chair: **Dr. B.G. Manjunath**

Contributory papers: (4)

S No: [122] to [125]

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Stochastic Process-II (08)

S No. [184] to [193]

13.03.2022 Schedule (ICSDS-2021)

Link for Joining {Link-3}

Time: 9.30 AM – 10.15 AM Chair: Prof. S. Ravi	Prof. A. M. Mathai Plenary Speaker	Title: Eigen value problem in the real and complex domains
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Break 5 min for Switch to Parallel Sessions

Session Hall – A	Session Hall – B	Session Hall – C	Session Hall – D
Time: 10.20 AM – 10.55 AM Chair: Prof. Loganathan Speaker: Prof. R. Elengovan	Time: 10.20 AM – 10.55 AM Chair: Prof. K. Sudheesh kattumanil Speaker: Dr. Raosaheb Latpate Title: Multi-Objective Multi-Index Transportation Model for Crude Oil Using Fuzzy NSGA-II	Time: 10.20 AM – 10.55 AM Chair: Prof. S.C. Malik Speaker: Prof. Sudheesh K. Kattumannil Title: U-Statistics for left Truncated and Right Censored Data.	Time: 10.20 AM – 10.55 AM Time: 10.50 AM -11.25 AM Chair: Prof. N. Balakrishna Speaker: T. V. Ramanathan Title: How efficient the Indian states in curbing crimes: A Probabilistic frontier regression approach

Parallel Sessions (30 +5+15 x 2 = 65 Min.)

Time: 10.55 AM - 11.30 AM Chair: Prof. G.V.S.R.Anjaneyulu Speaker: Dr. N.Ch. Bhattacharyulu Title: Reduction of Dimensionality of Response Surface Design Model	Time: 10.55 AM - 11.30 AM Chair: Prof. Jitender Kumar Speaker: Dr. M. Vishnuvardhan Title: Sample Size Determination for Analysing Single and Multiple ROC Curves	Time: 10.55 AM - 11.30 AM Chair: Prof. R. Elangovan Speaker: Prof. Loganathan Title: Behavioural Analysis of Sampling Plans for Exponentiated Lifetime Distributions	Time: 11.55 AM -11.30 Noon Chair: Prof. K.K. Jose Speaker: Prof. B.N. Mandal Title: Algorithmic Construction of Efficient Designs for Order-of-Addition Experiments
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Design & Analysis of Experiments -II Time: 11.30 AM - 12.00 PM Chair: Dr. Ranjitha Pandey Contributory papers: (03) Sno: [93] to [95]	Agricultural Statistics -I Time: 11.30 AM - 12.00 PM Chair: Dr. M. Hemanth Kumar Contributory papers: (03) Sno: [102] to [104]	Data Analytics - I Time: 11.30 AM - 12.00 PM Chair: Dr. Parmil Kumar Contributory papers: (03) Sno: [139] to [141]	Chair: Dr. Shashi Bhushan Speaker: Dr. M. Ramakrishnanan [Title: Machine Learning Methods in Survival Analysis for Classical and Competing risk Data
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ISPS Award Ceremony 12.00 Noon - 1.30 PM (90 Minutes)

ISPS Awards for the year 2021

Announcing the winners of ISPS Young Scientist Awards and M.Sc. Project Competition

Honoring the Awardees: ISPS Fellowship, Distinguished Statistician Award, K. S. Rao Best Researcher Award C. R. Rao Gold Medal

LUNCH BREAK (1.30 PM - 2.30 PM: 60 Min)

Time: 2.30 PM - 3.00 PM Chair: Prof. K. Sudheesh kattumanil Speaker: Deepa Mordia Title: Analysis of Cyber Crimes in Metropolitan cities	Time: 2.30 PM - 3.00 PM Chair: Dr. Ranjankumar Sahoo Contributory papers: (3) S. No: [175] to [176]	Time: 2.30 PM - 3.00 PM Chair: Dr. M. Vishnuvardhan Speaker: Dr. M. Raghunadh Acharya Title: Classification Techniques in Data science	Time: 2.30 PM - 3.00 PM Chair: Prof. M. Krishna Reddy Speaker: Prof. P. Tirupathi Rao Title: Stochastic modelling of Fish seed Fertilization in Artificial Breeding and Aquaculture Farming
Time: 3.00 PM – 4.30 PM Chair: Dr. M. Venkateswaran Contributory papers: 13 S No: [148] to [161]	Time: 3.00 PM – 4.30 PM Chair: Dr. Ishapathik Das Contributory papers: (11) S No: [162] to [174]	Time: 3.00 PM – 4.30 PM Chair: Dr. M. Raghunadh Acharya Contributory papers: 11 S No: [105] to [114]	Time: 3.00 PM – 4.30 PM Chair: Dr. Rajesh Tailor Contributory papers:11 Sno : [141] to [147] & [96] to 101]

Tea Break -10 min

Valedictory (4.40 PM - 5.30 PM)

