



Prof. C.R. RAO

(Padma Vibhushan Awardee)



BIRTH CENTENARY CELEBRATIONS

INTERNATIONAL CONFERENCE (VIRTUAL MODE)

ON

EMERGING TRENDS IN STATISTICS AND DATA SCIENCE

IN CONJUNCTION WITH

40TH ANNUAL CONVENTION OF

INDIAN SOCIETY FOR PROBABILITY & STATISTICS (ISPS)

7-10 SEPTEMBER, 2021

Jointly Organized

By

Indian Society for Probability & Statistics (ISPS)

Department of Statistics, Cochin University of Science & Technology, Cochin

Department of Statistics, M.D. University, Rohtak

Department of Statistics, University of Kerala, Trivandrum

Department of Statistics, Bharathiar University, Coimbatore

Department of Statistics, The Madura College (Autonomous), Madurai

Registration : FREE <https://forms.gle/9H87EFfvo3pS2Roj8>

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ABOUT PROF. C. R. RAO

Prof. C.R.Rao, FRS, was born on 10 September, 1920 in Huvanna Hadagali, in Karnataka State. He studied in schools at Gudur, Nandigama and Visakhapatnam, in Andhra Pradesh and completed his M.A. in Mathematics at the Andhra University, Visakhapatnam, Andhra Pradesh. He did his M.A. in Statistics from Calcutta University in Kolkata. Prof. Rao worked in India at the Indian Statistical Institute for 40 years before he took mandatory retirement at the age of 60 and worked for another 30 years at the University of Pittsburgh and the Pennsylvania State University, USA. Presently he holds Honorary Professorship at The Pennsylvania State University, PA, USA and at the University at Buffalo, USA. He has 477 Research Papers, received 39 Honorary Doctorate Degrees from Universities in Six Continents, and Author of 15 Textbooks, guided 51 Ph.D.students and edited 39 volumes of Handbook of Statistics. The CR Rao Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS) has been established in 2005 in Honour of the Legend and World-Renowned Statistician and PadmaVibhushan Prof.Calyampudi Radhakrishna Rao. Two of Rao's research papers published when he was 25 and 27 years of age have been reproduced in the book "Statistics Published in the Last Century". One of the papers,"Information and accuracy attainable in the estimation of statistical parameters," Bull. Cal. Math. Soc. 37,81 -91,1945, published at the age of 25, generated the technical terms Cramer-Rao inequality ,Rao-Blackwellization and Rao metric and became the topic of research by mathematicians and quantum physicists. He got Shanthi Swarup Bhatnagar Award, Padma Vibhushan, National Science Medal USA, India Science Award, Prof. PC. Mahalanobis International Award, Guy Medal in Gold of the Royal Statistical Society UK. As a part of his Birth Centenary celebrations, this Conference covers research areas related to Statistics, Data Science and its applications and also some of the contributions of Prof. C.R.Rao.

ABOUT INDIAN SOCIETY FOR PROBABILITY AND STATISTICS (ISPS)

Eminent scholars belonging to the disciplines of Mathematical and Statistical Sciences laid the foundation for the origin of Indian Society for Theory of Probability and its Applications (ISTPA) when they met at Sri Venkateswara University in 1980. In the same year, the draft constitution of the Society was drawn up during the deliberation of the Conference held at the Indian Institute of Technology Bombay (IITB). Later, in 1981, it was registered in Bombay with its official address at the Department of Mathematics, IIT Bombay. The Society was renamed as Indian Society for Probability and Statistics (ISPS) in 1985. It has attracted many researchers and scholars for enrolment as life members over the years and presently, the strength has crossed 1400. The society takes every effort to enhance this number inviting young faculty, research scholars and students of Statistics across the country. ISPS publishes the Journal (JISPS) by Springer Publication. Annual Convention / Conference / Workshop/Symposium of ISPS is being organized every year in one of the reputed national universities where the Department of Statistics exists. The events in every conference/convention include memorial lectures, endowment lectures, invited talks, Prof A.R Kamath cash award for Best Ph.D thesis, Presentation of Best research papers for six awards (two gold medals ,four cash awards) including ISPS Young Statistician Award and presentation of contributory research papers. Distinguished Statistician Award Fellow of ISPS award, Prof. C.R. Rao, Life Time Achievement Award, has been instituted and is being presented to an eminent personality in recognition of his/her scholarly contributions to the development of Statistics.

THEME OF THE CONFERENCE

The Conference aims to bring researchers, academicians, and corporate people in statistical theory to a common platform. Exchange of innovations and ideas through novel ways, inspiring the young minds to galvanize the research arena and expanding the scientific horizons of statistical thinking are the important objectives of the conference. The organizers are also planning to have around 12 invited sessions with reputed Statisticians. The target of hosting the Conference is to make the meet a rendezvous of statistical researchers to explore their remarkable contributions and journey through new vistas of the "EMERGING TRENDS IN STATISTICS AND DATA SCIENCE". This is expected to excel in the creativity of the delegates and spur them to contribute remarkable and productive research outputs. There have been significant developments in the field of Statistics, these developments are now being applied to various fields.

CONFERENCE TOPICS

- Actuarial Statistics
- Agricultural Statistics
- Biostatistics
- Data Envelopment Analysis
- Data Science
- Spatial Analysis
- Demography
- Design of Experiments
- Econometrics
- Geostatistics
- Mathematical Modelling
- Bayesian Inference
- Multivariate Analysis
- Official Statistics
- Operations Research
- Probability Theory and Stochastic Process
- Information Theory
- Reliability Theory
- Sampling Theory
- Statistical Inference
- Statistical Quality Control
- Time Series Analysis

CONFERENCE EVENTS

- ❖ Keynote Address
- ❖ Plenary Sessions
- ❖ Invited Lectures
- ❖ Contributory Sessions
- ❖ Special Session in honour of Prof. G. Sankaranarayanan, Founder President, ISPS and Prof. M N Gopalan, Former Secretary, ISPS
- ❖ Special Invited Lectures in honour of Prof. C.R. Rao Birth centenary celebrations on 10th September 2021
- ❖ Brain Storming Session for Research Students by eminent Statisticians from India and abroad
- ❖ Prof. P. V. Sukhatme Memorial Lecture
- ❖ Prof. Y. C. Narasimhulu Endowment Lecture
- ❖ Prof. A. M. Mathai Endowment Lecture
- ❖ Prof. M. P Sastry Endowment Lecture
(Donated by Prof. P. Rajasekhara Reddy and K. Nageswara Rao)
- ❖ Prof. David Hanagal Endowment Lecture
- ❖ Prof. R. Ramanan Endowment Lecture

CALL FOR PAPERS

The organizers invite original and unpublished research papers from students/research scholars, academicians and industry experts to present their work in the specialized areas of Statistics and Data Science. The abstract of contributed papers should be focused on the items such as objective of the study, methodology, research findings, significance and scope of the study. There will be a review on the abstracts by experts and the selection of the paper is based on the recommendations of the experts' committee.

ABSTRACT FORMATS (GUIDELINES)

Text Format	Microsoft Word format (Times New Roman, Font Size 12)
Title	Limited to 200 characters in length. Use initial caps in the title; do not use all caps
Author (s)	Type all authors names with initial caps. Include affiliations for all authors using tags if necessary
Address	Contact / Presenting authors names and mailing address and e-mail address
Keywords and Phrases	Maximum 5 key words or Phrases
Abstract Body	Limited to 200 words

IMPORTANT DATES

Registration Link	: FREE https://forms.gle/9H87EFFvo3pS2Roj8
Register on or before	: 05-09-2021
Submission of Abstract	: 15-08-2021
Acceptance & Intimation	: 25-08-2021
Contact email	: icsds2020@gmail.com

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