



# International Conference

on

## Changing Paradigms and Emerging Challenges in Statistical Sciences

(IPECS-2018)

29 - 31 January 2018

IN CONJUNCTION WITH

Bi-Decennial Conference of

**Society of Statistics, Computer and Applications (SSCA)**

[www.ssca.org.in](http://www.ssca.org.in)



**Organized by**

**DEPARTMENT OF STATISTICS**

(DST-FIST & UGC-SAP (DRS-I) Sponsored)

**PONDICHERRY UNIVERSITY**

(A Central University)

R.V. Nagar, Kalapet

Puducherry-605 014, INDIA

<http://www.pondiuni.edu.in/department/department-statistics>

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## Theme of the Conference

The conference aims to bring a common platform for researchers, academicians, corporate people involved in statistical theory and practice. Exchange of new innovations, ideas through novel ways; inspiring the young minds to galvanize the research arena and expanding the scientific horizons of statistical thinking are the other important objectives of the conference. The target of hosting the conference is to make the meet as a rendezvous of statistical researchers to explore the remarkable contributions and make the journey through new vistas of modern technology and its engineering. The conference is intended to excel the creativity of the delegates by contributing the remarkable and productive research outputs. The conference is scheduled to have a lot of activities like keynote address, plenary talks, invited talks by eminent statisticians, computer scientists, management professionals and the prestigious Dr. M.N. Das Memorial Lecture. Besides this, symposia on the topics of current interest and theme of the conference and several sessions for presentation of contributory papers will be organized. In addition, one individual award, namely Dr. M.N. Das Memorial Young Scientist Award will be given to a young scientist. The said conference on Changing Paradigms and Emerging Challenges in Statistical Sciences will be embedding with all the relevant core areas. Department of Statistics, Pondicherry University along with Society of Statistics, Computer and Applications (SSCA), is making all its sincere efforts to excel the advanced developments of the emerging areas with statistical science and technology.

## The Pondicherry University

Pondicherry University is a central university established in 1985 under Indian parliament act. It has completed its 28 years of journey of excellence. It spread over a sprawling lush green, Wi-Fi enabled campus of 800 acres. It has emerged as one of the fastest expanding central universities of India. It offers more than 147 Master's, Doctoral and Diploma programmes in 34 Departments and 9 centers under 13 different schools. There are 95 affiliated colleges including an Human Resource Development Centre and a Directorate of Distance Education spread over the entire country. It is one of the front line universities in the country to introduce Choice Based Credit System (CBCS) with semester system. It provides the most hospitable environment for pursuing higher education in Pure and Applied Sciences, Engineering & Technology, Humanities, Social Sciences, Management, Education, Media and Liberal Arts. The objective of the university is to remain connected globally, at the forefront of all institutions of teaching, learning and research.

## The Statistics Department

The Department of Statistics was established in the year 2006, sponsored by DST-FIST and UGC-SAP (DRS-I). It is offering three major Post Graduate courses namely M.Sc. Statistics (Two years), M.Sc. Integrated Statistics (5years), M.Sc. Quantitative Finance (2years), Ph.D. in Statistics and One PG Diploma Course on Statistical and Research Methods (1 year Add – on Course). The thrust areas of research in the department are Statistical Inference, Data Mining, Computer Aided Data Analysis, Biostatistics, Distribution Theory, Reliability Theory, Survival Analysis, Bayesian Inference, Stochastic Modeling, Econometrics, etc. The faculty members have published good number of research articles in various journals with National and International repute. All the faculty members are being actively involved in inter disciplinary research programmes. The Department organizes annual training program on statistical packages for faculty and research scholars of Pondicherry University.

## To Reach Pondicherry University

Pondicherry is located on the southern east coast of India. It is nearly 160 KMs from Chennai to south on East Coast Road (ECR). It is an Union territory of India and having good connectivity on road and rail transportation. Villupuram is the nearest Rail and Road junction to reach Pondicherry. Villupuram is one of the important stations among southern railways and also having frequent bus facility to Pondicherry. The nearest International airport is at Chennai and there are number of buses available from 'CMBT Koyambedu bus stand' in Chennai to Pondicherry via ECR. CMBT bus stand is around 15 km from Chennai Central railway station and around 10 km from Chennai airport. You can also reach Pondicherry by using taxi services from airport as well as Chennai central railway station.

## Conference Topics

The thrust areas of the conference include but not limiting to the following topics.

<b>Big Data Analytics</b>	<b>Business Intelligence</b>	<b>Data Science</b>	<b>Bio Medical Informatics</b>
<b>Statistical Genomics</b>	<b>Probability &amp; Distribution Theory</b>	<b>Stochastic Modelling</b>	<b>Geo and Spatial Statistics</b>
<b>Biostatistics</b>	<b>Official Statistics</b>	<b>Bayesian Inference</b>	<b>Statistical Quality Control</b>
<b>Data Mining</b>	<b>Multivariate Analysis</b>	<b>Operational Research</b>	<b>Time Series Analysis</b>
<b>Econometrics</b>	<b>Total Quality Management</b>	<b>Artificial Neural Networks</b>	<b>Data Envelopment Analysis</b>
<b>Survival Analysis</b>	<b>Statistical Soft Computing</b>	<b>Sampling Techniques</b>	<b>Design of Experiments</b>
<b>Financial Statistics</b>	<b>Reliability Theory</b>	<b>Decision Theory</b>	<b>Statistical Inference</b>

## Call for Papers

The authors are invited to contribute their papers. The abstract of the contributing paper should focus on the items such as objective of the study, methodology, research findings and scope of the study. There will be a review on the abstracts by experts and selection of the paper is based on the recommendations of the referee committee. Conference secretariat is planning to bring out the proceedings of the conference after a peer review process. The authors are requested to prepare their full length paper and communicate the same as per the scheduled time. Preference will be given to the papers with new theoretical contribution, novel applicability of existing tools with state of art to be included in the proceedings. The participants are requested to send the abstracts of their papers as per the format mentioned below. They are also requested to send their soft copy to email: [ipecs2018@gmail.com](mailto:ipecs2018@gmail.com) before the schedule date.

- Abstract Format** : Please observe the following instructions while preparing the abstract  
**Text Format** : Microsoft Word format  
**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 addresses.  
**Keywords and Phrases** : Maximum 5 key words or Phrases.  
**Abstract Body** : Limited to 200 words  
**Equipment Needs** : Indicate your Audio-Visual equipment needs at the end of the abstract

## Important Dates

Description	on or before	
Submission of abstract	: <b>30/11/2017</b>	
Acceptance communication of abstract	: <b>10/12/2017</b>	
Payment of Registration fees	: <b>31/12/2017</b>	After <b>31/12/2017</b>
	: (without late fee)	(with late fee)
Submission of full length paper	: <b>15/01/2018</b>	

## Registration

The selected participants are required to send the demand draft in favour of "IPECS - 2018" payable at Pondicherry University branch, Indian Bank (*Branch Code: 1574*) or you can use the IFSC code **IDIB000P152** for online transfer of the amount to the account no: **6550121729**. The following are the details of the registration fee. The costs of registration fees include three lunches, dinners, conference banquet, coffee breaks and Conference Kit.

Participants	Registration Fee	
	Before <b>31/12/2017</b>	After <b>31/12/2017</b>
Teachers/Scientists	Rs. 4000	Rs. 4500
Research Scholars/Students	Rs. 2500	Rs. 3000
Industry	Rs. 5000	Rs. 6000
Accompanying Person	Rs. 2000*	Rs. 2500*
Foreign delegates	US\$ 200	US\$ 225

\*Accompanying person will not be provided the conference kit.

## Accommodation

Participants are requested to make their own arrangements for their stay during the conference days. However, we are pleased to announce that the conference secretariat will give the necessary assistance for providing accommodation on request. Pondicherry is a moderately populated city with around 10 lakhs population. As it is a tourist place, there are good numbers of star hotels as well as moderately affordable hotels. The tariffs of star hotels may be ranging from Rs. 800/- to Rs. 5000/- per night (with a check in and checkout is 12 noon of the day). The tariffs of moderate hotels are in the range of Rs. 300/- to Rs. 500/- per night.

## Hotels in Puducherry

Anantha Inn	Athithi Hotel	Hotel Jayaram	Park Guest House
Annamalai Hotel	Shenbaga Hotel	World Guest House	International Guest House
Hotel Sunway	Hotel Lotus	Annapurna Guest House	Cottage Guest House
Hotel Mass	Ganesh Residency	New Krishna Guest House	GSM Guest House
Ram International	Hotel Surguru	Esparan Heritage	Aurobindo Andhra Bhavan
Soorya International	Hotel Saphthagiri	New Guest House	Oriya Nilayam

## Other Conference Events

### Dr. M N Das Memorial Lecture

### Dr. M N Das Young Scientist Award Competition\*

\*The Society of Statistics, Computer and Applications awards young scientists every year as recognition of their outstanding research in the area of Statistics and Informatics with potential applications in various sciences like agriculture, finance, medicine, education, etc. The award is open to all young Indian scientists, whether member of the Society of Statistics, Computer and Applications or not. The upper age limit of the scientist for the award will be 35 years as on 01 January of the year when the conference will be held and the award would be given. The research in the form of research paper submitted for the award could be written jointly with other co-authors but the young scientist applying for award must be the first author of the paper. The award would be given only to the first author.

## Procedure for Application

A soft copy of the full length paper along with an abstract not exceeding 200 words should reach the Secretary of the Society not later than October 31 of the year of announcement of the award. Passport bio-data giving full name, date of birth (self-attested copy of certificate), affiliation, complete address for communication including E-mail and mobile number, research experience and list of publications (research papers in refereed journals, books, book chapters, monographs, etc.) should also be sent along with the full length paper. "No Objection Certificate" from all the co-authors stating clearly that they have no objection in the research being considered for the "Dr. M. N. Das Memorial Young Scientist Award" should also be accompanied with the submission of the research paper. The competitors are requested to send the paper and documents by Email to **Dr. Dipak Roy Choudhury**, Secretary, Society of Statistics, Computer and Applications: **Email: [dipakp1951@gmail.com](mailto:dipakp1951@gmail.com)** on or before **31 October 2017**.

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Pondicherry University

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Department of Statistics  
Pondicherry University

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**Registration Form**

Name : \_\_\_\_\_

Gender : \_\_\_\_\_ Designation: \_\_\_\_\_

Affiliation  
& Address for correspondence : .....

.....

.....

Mobile : \_\_\_\_\_ Email : \_\_\_\_\_

Are you presenting a paper : **Yes / No**

Title of the paper : .....

.....

Authors : .....

Accommodation required : **Yes / No** Date & Time of arrival: \_\_\_\_\_

Category of Delegates (please tick): *Academician/ Industrialist/ Student/ Research scholar/ Foreigner*

Payment Mode Please tick: online/ offline

*The demand draft/multicity cheque should be in favour of "IPECS - 2018" payable at Pondicherry University branch, Indian Bank (Branch Code: 1574) or you can use the IFSC code IDIB000P152 for online transfer of the amount to the Savings Bank Account No: 6550121729*

If Online (please provide) : Online transaction number ..... Date .....

Amount Transferred ..... Bankdetails.....

If Offline (please tick) : Demand draft/ Multicity Cheque number ..... Date:.....

Issuing bank : ..... Branch: .....

**Signature of delegate**

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**(For Research Scholars)**

This is to certify that Mr. / Ms. .... is a Full-Time/Part-Time  
Research Scholar of the Department of ....., University.....

**Signature & Seal of HOD**