

International Conference
On
New Paradigms in Statistics for Scientific and
Industrial Research

January 4-6, 2018 | KOLKATA

Program Brochure

Organized By

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Indian Association for
Productivity, Quality & Reliability

www.iapqr.org

About the Conference

It is well recognized that Scientific and Industrial Research plays a pivotal role not merely to boost economic growth but also to promote the cause of sustainable all-round development. Alongside continues man's eternal quest for knowledge in newer and more complicated phenomena that are coming rapidly under the ambit of the perceptual world.

Over the last few decades, Statistics has been providing a big support to scientific research in many emerging areas and to industrial research dealing with new and novel materials and processes. It may not be unfair to claim that progress in research into some phenomena could have been halted or slowed down if new paradigms in Statistics could come up to meet the challenging needs to address highly complex systems, processes and controls. These new paradigms are characterized by new concepts, models, methods, tools and algorithms as are specifically called for in emerging areas of research.



While theoretical researches would have to continue in the interest of Science and Industry, what are badly needed are adequate interactions between the community of scientific and industrial research workers on the one hand and the community of statisticians on the other.

As one step towards reaching this objective, an International Conference on New Paradigms in Statistics for Scientific and Industrial Research is being organized by Indian Association for Productivity, Quality & Reliability (IAPQR) during January 4-6, 2018 in Calcutta.

The Conference will include a few plenary talks by eminent scientists, some invited lectures to be organized by experts from different fields of research and , of course, contributory papers by research scholars and young scientists.

About IAPQR

With renowned academicians, professionals, industrialists and industrial executives being the members of this esteemed non profit organization, IAPQR (**Indian Association for Productivity, Quality & Reliability**) have been rendering services in the areas of academics, consulting, professional training and auditing for more than 40 years.

For more details, visit

www.iapqr.org





Theme

The Conference has been woven around a few selected emerging areas of Scientific and Industrial Research

- ✓ Clinical Trials
- ✓ Bioinformatics
- ✓ Drug Development
- ✓ Environmetrics
- ✓ Statistics in Ecology

- ✓ Network and Communication
- ✓ Astrostatistics
- ✓ Structural Reliability
- ✓ Signal processing
- ✓ Social Network

- ✓ Financial Statistics & Engineering
- ✓ Cryptography
- ✓ Machine Intelligence & Learning
- ✓ Cloud Computing and Information Security
- ✓ Internet of Things
- ✓ Quantum Computing

Organization

The fact that Industry to-day needs a big support from Science and Technology and that scientific research workers need to be thoroughly exposed to the emerging needs of Industry makes it mandatory that we have a good blend of academicians and professional among both the speakers and the listeners .

The organizers intend to invite some leading research workers to deliver a few Special Lectures dedicated to the memories of some illustrious academic and professional luminaries.

Key Contact Persons

Joint Conveners:

Professor Asis K Chattopadhyay and Professor Manisha Pal ,

Department of Statistics, University of Calcutta.

Email: akcstat@gmail.com

Highlights

- ✓ **Visionary Speakers**
- ✓ **300+ Participants across academia and industry**
- ✓ **3 Days of knowledge sharing, networking and insightful discussion**
- ✓ **Plenary Sessions**
- ✓ **Parallel Sessions based on each theme**
- ✓ **Paper Presentation**
- ✓ **Invited and Guest Lectures by eminent Academicians and Industrial Researchers**

Registration Fee

Indian:

INR. 5000 (Industry Sponsored)

INR. 3000 (Academy / Self Sponsored)

Foreign:

US \$ 250

SAARC Countries:

US \$ 100

Details of Key Note Speakers and Venue at Kolkata will be published shortly