**International Conference**

**On**

**New Paradigms in Statistics for Scientific and Industrial Research**

**January 4-6, 2018**

**Jointly Organized by**



**Indian Association of Productivity, Quality & Reliability**

**&**



**CSIR – Central Glass & Ceramic Research Institute**

**Venue: Meghnad Saha Auditorium**

**CSIR-CGCRI, Kolkata**

***About the Conference***

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 not 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 Kolkata. The Conference will be organized jointly with CSIR-Central Glass and Ceramic Research Institute and will be held at M N Saha Auditorium, CSIR-CGCRI, 196, Raja S. C. Mullick Roak, Kolkata 700 032

The Conference programme will consist of some plenary talks by eminent scientists, special lectures on some chosen themes, invited lectures by experts from different areas and contributory talks by research scholars and young scientists.

The Conference has been woven around a few selected topics of contemporary interest in Scientific and Industrial Research. The following is a provisional list.

*Bioinformatics*

*Drug Development*

*Quality Improvement*

*Cryptography*

*Clinical Trials*

*Machine Intelligence*

*Pattern Recognition*

*Information security*

*Environmetrics*

*Astrostatistics*

*Network and Communication*

*Internet of Things*

*Reliability and Warranty*

*Statistics in Ecology*

*Social Network*

*Directional Data Analysis*

*Challenges in National Surveys*

*Financial Engineering and Statistics*

***About the Organizers;***

***Indian Association for Productivity, Quality & Reliability* (IAPQR)**

With renowned academicians, professionals, industrialists and industrial executives being the members of this esteemed nonprofit organization, 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](http://www.iapqr.org)

**CSIR-Central Glass & Ceramic Research Institute**

Central Glass& Ceramic Research Institute, a premier national laboratory under the Council of Scientific and Industrial Research (CSIR), started its function in 1944 and was formally inaugurated on August 26,1950. This is a center of excellence for R&D activities related to Glass, Ceramics and allied materials. For more details visit: <http://www.cgcri.res.in/>

***Call for Papers***

The last date for submission of extended abstracts (in about 300 words): November 17, 2017.

 Authors will be informed about acceptance of their contributions for presentation in the Conference by November 30, 2017. Full papers are expected by mid-December. And we are trying to get full papers on review and editing in the form of an Edited Volume to be published by a renowned publisher shortly after the Conference.

***Last Date for registration:******December 15, 2017***

***Participation Details***

**Registration Fee:**

**Indian: Rs.5000 (Organisation Sponsored), Rs. 3000 (self-sponsored), Rs 2000 (members of IAPQR and CGCRI scientists), Rs.1500 (Students).**

**Foreign: US $ 250 SAARC: US $ 100**

**Registration fee includes cost of lunch, tea and coffee on all the three days; conference materials and kit, and entry to a cultural programme.**

**Fees can be paid by a crossed cheque / demand draft. Drawn in favour of INDIAN ASSOCIATION FOR PRODUCTIVITY, QUALITY AND RELIABILITY and sent to:**

***IAPQR, BB 239, Salt Lake, Kolkata- 700064.***

***Payment can also be made through NEFT using the following details:***

***Account Name: Indian Association for Productivity, Quality & Reliability***

***Account Number: 025010100158558***

***IFSC Code: UTIB0000025***

***SWIFT Code:***

***Payment in cash is also acceptable. Payment of fees on the first date of the Conference only on prior intimation to the effect.***

***Organising Committee***

**Patrons:**

 ***Dr. K. Muraleedharan, Director, CSIR-CGCRI***

 ***Mr. R. Himatsingka, President, IAPQR***

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***Prof. Bikas K. Sinha, Prof. Srijib Bagchi and***

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**Joint Conveners**:

***Prof. Asis K Chattopadhyay (******akcstat@gmail.com******)***

***Prof. Manisha Pal (******manishapal2@gmail.com*** ***)***

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Mr. Rahuldeb Mukhopadhyay, Senior Technical Officer (1), Engineering service Division, CSIR-CGCRI, Kolkata

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**Joint Treasurer:**

***Prof. Aditya Chatterjee and Dr. Aniruddha Banerjee***

**Sponsorship**

**Contributions are invited with both free participation and advertisement as follows:**

**Category Fee**

4 Delegates & 1 page color 50,000/-

2 Delegates & 1 page B&W 25,000/-

**Advertisement**

A souvenir containing conference details and messages from dignitaries will be released during the conference and will be provided to each registered delegate free of cost.

Back Cover page (Color) 25,000/-

Inside Cover page (Color) 20,000/-

Full Page (Color) 15,000 /-

Full Page (B&W) 8,000 /-

Half Page (B&W) 5,000 /-

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