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NATIONAL CONFERENCE ON CONDITION MONITORING (NCCM-2017)

**October 26-27, 2017
IGCAR, Kalpakkam**

Jointly organised by



Condition Monitoring Society of India
(Regd. No. 45061/ 2003)
www.comsoi.org

&



Indira Gandhi Centre for Atomic Research
www.igcar.ernet.in

Condition Monitoring Society of India (CMSI)

Condition Monitoring Society of India (CMSI) is a non-profit professional body and it was established in the year 2003 by a team of scientists, academicians, engineers and maintenance practitioners with an intention to promote and guide Indian industry towards self-reliance and improved productivity through the application and management of condition based maintenance strategies. The society also intends to be a common platform for condition monitoring professionals to share their experiences and expertise. The society has basically three different types of memberships. Individuals can become life members, Institutions/establishments can enrol as life Institutional members and students of Engineering / Science colleges can become annual members. Recently, CMSI introduced Honorary Fellows and Life Fellows.

To fulfil its objectives, the society conducts National/International Conferences, Workshops, Seminars and Short Term Courses. The events conducted so far include National Conferences (NCCM-2006, NCCM-2009, NCM-2011, NCCM-2012, NCCM-2013, NCCM-2014 and NCCM-2015) with lead taken by NSTL, a premier DRDO laboratory; a 4-day short term course on Condition Based Maintenance (CBM-2007), a 5-day course sponsored by AICTE-ISTE in 2009 and International Conferences on Condition Monitoring (ICCM-2011 and ICCM-2016). These conferences brought out peer-reviewed proceedings of technical papers presented in the conferences. The Society organises an endowment lecture, every year since 2012, that is delivered by eminent experts. All these programs conducted by CMSI were very well attended and highly appreciated. Apart from these activities, a number of workshops and annual technical meets were organised by the society and its local chapters. It also publishes a newsletter 'MONITOR' to keep its members abreast of the developments and advances in all the facets of condition monitoring.

Indira Gandhi Centre for Atomic Research (IGCAR)

Indira Gandhi Centre for Atomic Research, established in 1971, is engaged in broad based multidisciplinary programme of scientific research and advanced engineering directed towards the development of Fast Breeder Reactor technology. Monitoring the health and condition of rotating machinery & equipment, ventilation systems, inert gas systems, electrical machinery and other plant components is important. With the need to reduce down time, advanced maintenance programs based on proactive and prognostic schemes using vibration monitoring, infrared thermography, acoustic emission, debris analysis, eddy current, ultrasonic and other techniques are being evolved and implemented at IGCAR. A variety of condition monitoring facilities are established in the Kalpakkam complex.

About the Conference

CMSI and IGCAR are jointly conducting the National Conference on Condition Monitoring (NCCM-2017) at Kalpakkam during October 26-27, 2017. A number of condition monitoring experts/practicing specialists from various organizations, institutes and industries are expected to participate in NCCM-2017. The conference provides a platform for interaction on the state-of-the-art condition monitoring strategies and to learn from experts delivering keynote and invited talks. It also provides an opportunity to deliberate on latest trends, practices, and future trends in vibration monitoring, infrared thermography, wear debris analysis etc., being employed for predictive maintenance. It would be highly beneficial for plant maintenance engineers of industries, R&D professionals, and academicians working in this field of work.

Call for Papers

NCCM-2017 invites papers related to all disciplines on Condition Monitoring for presentation. Case studies relevant to diagnosis and rectification of machinery faults are expected to benefit the participants most. The scope of NCCM-2017 includes the following topics, but not limited to:

- * Vibration Monitoring
- * Motor Current Signature Analysis
- * Tool Wear Monitoring & Acoustic Emission
- * Oil/Wear Debris Analysis/Ferroggraphy
- * Marine, Aircraft & other Industry Applications
- * Case Studies & Maintenance Management
- * Infrared Thermography
- * Acoustic & Ultrasonic Condition Monitoring
- * Materials & Structural Health Monitoring
- * Real Time Condition Monitoring System
- * Expert Systems / Artificial Neural Networks
- * Remote Monitoring & Smart Sensors

Abstract Submission

One A4 page abstract is to be submitted to NCCM-2017 secretariat cmsi.chennai@gmail.com before Jul. 30, 2017. Acceptance of abstracts will be communicated to authors by e-mail by Aug.10, 2017.

Full Paper Submission

Authors of the accepted abstracts are required to submit full papers for peer review before Aug. 30, 2017 as per the following format and to submit the final/revised papers by Sep. 30, 2017:

Length: *not exceed 8 A4 size pages*

Margins: *left= 1.5", top, bottom & right=1"*

Abstract: *11 point italic with single spacing*

Figures and tables: *to be inserted in the text*

Text: *Times New Roman 12, single spacing*

Title: *14 point bold, Affiliation: 12 point italics*

Section headings: *12 point bold*

References: *to be given at the end*

Registration Fee

It is essential that at least one of the authors registers and attends the conference for presenting the accepted abstract. The registration fee details (including taxes) are as follows:

Members of CMSI : Rs 4,500

Non-members from Industry: Rs 6,000

Students / Research scholars: Rs 2,000

Non-members from Academia/Research: Rs.5,000

Payment is to be made as Cheque/Draft drawn in favour of 'CMSI Chennai Chapter' payable at SBI, Kalpakkam by Oct. 16, 2017 and by forwarding details to cmsi.chennai@gmail.com

Souvenir

A special souvenir of NCCM-2017 abstracts, messages from eminent personalities and details of NCCM-2017 delegates will be published to commemorate the event. This provides an opportunity for industries/dealers/traders/practicing engineers/consultants to advertise their products/services. The advertisement material is to be sent to the cmsi.chennai@gmail.com before October 16, 2017. Charges* for inserting advertisements in the souvenir are as follows:

Back cover: Rs. 30,000

Inside back/front cover: Rs. 20,000

Full A4 size page color: Rs. 15,000

Full A4 size page b/w: Rs. 10,000

Half page A4 size b/w: Rs. 5,000

**Inclusive of taxes*

Sponsorship

Sponsorship is solicited as detailed below*, for more details please contact cmsi.chennai@gmail.com:

Golden Sponsor : Rs. 1,00,000 (Banner, 1 page profile in Souvenir, 1 free delegate)

Silver Sponsor : Rs. 50,000 (Banner, advertisement in Souvenir)

Bronze Sponsor : Rs. 25,000 (Advertisement in Souvenir)

Important Dates

Abstracts receipt: Jul. 30, 2017

Submission of full paper: Aug 30, 2017

Payment of registration fee: Oct. 16, 2017

Abstract acceptance intimation : Aug. 10, 2017

Receipt of final manuscript : Sep. 30, 2017

Sponsorship/advertisement material: Oct. 16, 2017