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Convener
International Symposium on Vacuum Science & Technology and its Application for Accelerators
Variable Energy Cyclotron Centre
1/AF Bidhan Nagar
Kolkata – 700 064
INDIA

Shri Subimal

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IVS 2012
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AND



INTERNATIONAL SYMPOSIUM ON VACUUM SCIENCE & TECHNOLOGY AND ITS APPLICATION FOR ACCELERATORS

IVS - 2012

February 15-17, 2012 VECC-SINP Campus Auditorium Variable Energy Cyclotron Centre Kolkata, India

Organised by

INDIAN VACUUM SOCIETY

In collaboration with



VARIABLE ENERGY CYCLOTRON CENTRE
KOLKATA



GENERAL INFORMATION

Indian Vacuum Society (IVS) was established in 1970 to promote vacuum science and technology in academic, industrial and R&D institutions in India. IVS is a member society of the International Union for Vacuum Science, Technique and Applications (IUVSTA). It has been organizing International and national symposia, short term courses and workshops on different aspects of Vacuum Science & Technology at regular intervals. So far 27 National symposia, 4 International Symposia and 47 courses have been organized at various locations in India. There has been an active participation from R & D establishments, universities and Indian industries during all these events. In view of the current global scenario and emerging trends in vacuum technology, executive committee of IVS felt it appropriate to organise an international symposium at Variable Energy Cyclotron Centre, Kolkata during February 15-17, 2012 where large high vacuum systems are used for K-130 Cyclotron & K-500 Superconducting Cyclotron. Also a large cryogenic system using LHe plant is in operation for cryopanels & superconducting magnet for K-500 Cyclotron. The main areas covered under the symposium will be production and measurement of vacuum, leak detection, large vacuum systems, vacuum metallurgy, vacuum materials and application of high vacuum in cyclotrons, LINACS and other accelerators. It will provide an opportunity for interaction amongst active researchers & technologists and to review the current scenario, report recent results, share the available expertise and consider the future R&D efforts in this area. A souvenir will be published and an exhibition of the vacuum related equipments will also be organized along with the symposium.

TOPICS

1. Large Vacuum Systems:

Particle Accelerators
Space Simulation Systems
Plasma Fusion Devices, etc.

2. Vacuum Technology:

Production of low, medium, high, ultra high and extreme high vacuum Vacuum Measurement Leak Detection

3. Application of Vacuum Technology: Vacuum Evaporation, Welding, Melting, Hard

Coatings and Thin Films

4. Application of Cryogenics in Vacuum Cryopanels

SYMPOSIUM FORMAT

The symposium will consist of invited talks, contributed papers (oral/poster) and a panel discussion.

SOUVENIR AND EXHIBITION

A souvenir is being brought out on this occasion. It will contain abstracts of all the papers being presented. Information on some vacuum equipment will be incorporated in this souvenir. An exhibition of vacuum equipments will also be arranged.

Manufacturers interested in the exhibition should contact the Convener, National Organising Committee.

DATE AND VENUE

The symposium and Industrial exhibition will be held during February 15-17, 2012 at VECC-SINP Campus Auditorium, Variable Energy Cyclotron Centre, Kolkata – 700 064, India.

REGISTRATION FEE

IVS Members :	₹ 2000
Non Members :	₹ 2500
Foreign Delegates :	\$ 300
Students:	₹ 1000

BEST PAPER/POSTER AWARDS

C. Ambasankaran Memorial and Smt. Shakuntalabai Vyawahare Memorial Awards will be conferred to two best contributed papers. A. S. Divatia Memorial Special Award will be presented to the best contributed paper by student. Only papers received in time and presented by an author will be considered for the awards. A duly constituted committee will evaluate the relevant scientific content and innovative aspects.

FELICITATION

IVS will felicitate two distinguished scientists /technologists who have contributed significantly for the development of vacuum science and technology in the country at the time of their career.

ABSTRACT SUBMISSION

Abstract submission will be online through conference web page http://www.vecc.gov.in/IVS-2012 within due date (max. 200 words).

ACCOMMODATION

Limited accommodation will be arranged in Guest Houses / Hotels. Information regarding hotels will be available at symposium website.

TRAVEL ASSISTANCE

Travel assistance will be provided to a few deserving Indian students. Those who need travel assistance may write to the Convener, National Organizing Committee.

PROCEEDINGS & FURTHER INFORMATION

It is intended to bring out CD containing the invited talks and the contributed papers of the Symposium. Selected papers will be published in International Journal after peer review. Therefore, authors should submit online the manuscripts according to the instructions in the website.

Participants are encouraged to log on to the IVS-2012 website: http://www.vecc.gov.in/IVS-2012 and register online.

DEADLINES

Intimation of Participation	Aug 30, 201
Abstract Due Date	Sept 30, 201
Intimation of Acceptance of Abstract	Oct 30, 2011
Submission of Manuscript	Jan 15, 2012

REGISTRATION FORM

International Symposium on Vacuum Science & Technology and its Application for Accelerators

IVS - 2012

February 15-17, 2012

(Please write or type in block letters and return by August 30, 2011)

Name	:
IVS Me	mber/Non Member/Student :
IVS Me	mbership No.:
Addres	SS:
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Telenh	one :
Fax :	
Email :	
	I shall attend the symposium and present a paper
	I shall attend the symposium
	I want to receive further information
	I shall be accompanied by spouse

Accommodation will be needed: Yes/No

Signature