

## **Application Form for the Organization of an IUVSTA TTC**

**TITLE OF THE : IUVSTA TTC on Vacuum Technology Applications**

**VENUE: Islamabad Hotel, Islamabad-Pakistan**

**DATES: April 14-16, 2020:**

### **Course Objectives**

- To provide knowledge about the vacuum science, technology and its applications in the modern and applied fields of research and production
- To cope with the latest trends, applications and future role of the vacuum technology in the latest research and industrial applications
- To realize the barriers for adaptation and promotion of vacuum science and technology and resolve the practical problems related to this technology for a better, clean and healthy future.
- Enhance collaborative research and development activities among OIC member states

### **PRINCIPAL THEMES/TOPICS:**

#### **1. Course contents:**

- Introduction to vacuum technology and it's applications
- Fundamental concepts of vacuum technology
- Vacuum pumping techniques and equipment
- Vacuum measurements and controls
- Vacuum standardizations
- Leaks and leak detection techniques
- Design of industrial vacuum systems
- Vacuum insulations techniques
- Vacuum in food processing industry
- Vacuum in renewable energy technologies
- Vacuum in nanotechnology
- Vacuum in electron microscopy
- Vacuum applications in lasers
- Surface analysis and characterization
- Bio interfaces

## **2, Practical demonstrations**

IUVSTA SPONSORING DIVISIONS: **Vacuum Science and Technology**

NAMES AND NATIONALITIES OF ORGANIZERS (not more than 4, which must include at least one IUVSTA Divisional Committee member; please identify the Main Organiser and provide their full contact details):

**IUVSTA TTC 2020 - Organizing Committee:**

- i. Dr. Wakil Khan - Coordinator (Member of the IUVSTA Divisional Committee on Vacuum Science and Technology)**
- ii. Dr. Javaid Ahsan Bhatt - Member (PVS Councillor to IUVSTA)**
- iii. Mr. Tariq Suttar - Member**
- iv. Dr. Suleman Qaiser - Member (Alternate Councillor of PVS to IUVSTA)**

**NAMES AND NATIONALITIES OF LIKELY INVITED SPEAKERS:**

All Pakistani Nationals

- Prof. Dr. Muzaffar Mehmood, KIET University, Karachi
- Prof. Dr. Khurshed Mehmood, NED University of Engineering and Technology Karachi.
- Prof. Dr. Javaid Ahsan Bhatti, International Vacuum Center (Pvt) Limited, Islamabad
- Ch. Tariq Sattar, PVS, Islamabad.
- Dr. Haji Akram, PVS, Islamabad.
- Prof. Dr. Attiya Rizwan, National University of Science and Technology (NUST), Islamabad
- Prof. Dr. Suleman Qaiser, University of Engineering and Technology (UET) Lahore
- Mr. M. Yousaf Gondal, PVS
- Dr. M. Maqsood, NINVASt, Islamabad
- Dr. A. H. Hamdani, PILO, Rawalpindi
- Dr. M. Yasin Shami, PVS, Islamabad
- Mr. Muhammad Shoaib, NINVASt, Islamabad
- Dr. Wakil Khan, PVS, Islamabad

NAMES OF OTHER SPONSORS: (actual and anticipated; include indication of known or anticipated level of financial contribution:

**Total cost of workshop: € 10000/-**

- a) Expected total amount of the IUVSTA support: **€ 4000/-**
- b) Expected grant from Pakistan Science Foundation : **€ 3000/-**
- c) Expected grant from Pakistan Vacuum Society : **€ 3000/-**

IUVSTA must be advertised as the main sponsor):

**IUVSTA will be advertised as main sponsor of the event.**

## UNDERWRITING:

Who will underwrite any financial loss? **PAKISTAN VACUUM SOCIETY**

(If approved, IUVSTA will provide sponsorship to a predetermined maximum level and will not have any further financial responsibility)

CHECKLIST FOR APPLICANTS Organizers must undertake to fulfil the conditions below. Financial contributions from IUVSTA are conditional upon this undertaking.

I AGREE to

- PROVIDE full information of event to the IUVSTA Scientific Secretary.
- PROVIDE a budget, updated in the event of major changes, to the IUVSTA Scientific Secretary
- PROVIDE a dedicated Website for the event. Give url when known (this information must be passed to the Scientific Secretary before any IUVSTA funds will be released).
  
- Name and e-mail address of person who will maintain the site:  
**Dr. Wakil Khan - [pvs@comsats.net.pk](mailto:pvs@comsats.net.pk)**
  
- PROVIDE a report of the event after its completion for the IUVSTA web site Name and e-mail address of person who will provide this report:  
**Dr. Javaid Ahsan Bhatti, President, PVS – [pvs@comsats.net.pk](mailto:pvs@comsats.net.pk)**
  
- AGREE to include IUVSTA name and logo on all event announcements
  
- AGREE to use IUVSTA numbering system (e.g. IUVSTA Workshop no NN) on all event announcements
  
- AGREE to give a short presentation on IUVSTA at the beginning of the event. (Suitable material may be downloaded from the IUVSTA web site <http://www.iuvsta.org>)
  
- AGREE to distribute any IUVSTA material provided to the organizers
  
- AGREE not to have a published Proceedings of the event
  
- AGREE to follow the Workshop Guidelines described in the IUVSTA Procedure Manual (downloadable from the IUVSTA web site: <http://www.iuvsta.org>)

I agree to fulfil all the points of the above checklist

Name: **Dr. Javaid Ahsan Bhatti, President, Pakistan Vacuum Society.**

Date: **Feb 4, 2020**

Signature:

