

## Purpose / Scope

The prime objective is to familiarize new generation with vacuum and its allied technologies and make them understand the importance of vacuum in the socio-economic setup of the country. This workshop will provide a platform for interactive discussions on new ideas & developments in vacuum technologies as well as problem solving approaches to vacuum equipments in industry.



## Programme

The program includes series of lectures and discussions by highly qualified and experienced faculty in the field of vacuum science and technology.

## Key Topics

- Basic Vacuum Physics
- Vacuum System Design
- Vacuum Generation
- Vacuum Leak Detection
- Vacuum Standardization
- Vacuum Control
- Vacuum Measurement
- Vacuum Seals
- Vacuum Coatings
- Vacuum Metallurgy

[info@ninvast.edu.pk](mailto:info@ninvast.edu.pk)

## Participation

The workshop will be limited to 50 - 55 participants exclusively from industry and academic institutions. Participation is by invitation only, and we will encourage active researchers in the field of vacuum science and technology to apply.



## Fee

- Industry : Rs. 10,000/-**
- Academia : Rs. 4,000/-**
- Students : Rs. 1,000/-**

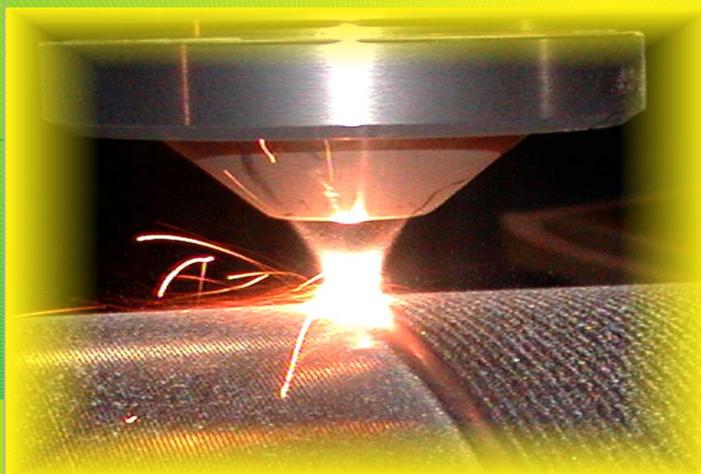
Payable through bank draft / pay order in favor of NINVEST, Islamabad.

**PS:** Course material & meals will be provided.

15% discount is available (excluding students) for a group of three or more persons.

## Last Date for Registration

**September 15, 2011**



Workshop on Vacuum Science & Technology (WVST-07)  
September 20 - 22, 2011



**REGISTRATION FORM**  
(Copies are acceptable)



- Name (Block Letters): \_\_\_\_\_
- Father's Name: \_\_\_\_\_
- Date of Birth: \_\_\_\_\_
- Nationality: \_\_\_\_\_
- NIC No: \_\_\_\_\_
- Organization: \_\_\_\_\_
- Designation: \_\_\_\_\_
- Address: \_\_\_\_\_
- Contact Nos: \_\_\_\_\_
- E-mail: \_\_\_\_\_
- Qualification: \_\_\_\_\_
- Recommended By (if applicable): \_\_\_\_\_

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

**FOR OFFICIAL USE**

Registration #: \_\_\_\_\_

Registration Date: \_\_\_\_\_

Dated: \_\_\_\_\_

## Form Submission

National Institute of Vacuum Science & Technology (NINVEST),  
P. O. Box 3125, Shahdra Valley Road, NCP Complex, Islamabad.  
Web: [www.ninvast.edu.pk](http://www.ninvast.edu.pk), Email: [info@ninvast.edu.pk](mailto:info@ninvast.edu.pk)

Where to Come?



Department of Physics,  
University of Karachi,  
Karachi.



**NIN VAST**

WORKSHOP  
ON  
VACUUM SCIENCE & TECHNOLOGY  
( WVST - 07 )



**NATIONAL INSTITUTE OF VACUUM SCIENCE  
& TECHNOLOGY (NIN VAST), ISLAMABAD**

in collaboration with  
**UNIVERSITY OF KARACHI**  
is going to organize

**3 Day Workshop**  
on  
**Vacuum Science & Technology**  
**(WVST - 07)**  
**September 20 - 22, 2011**

*For registration & information*

**Dr. M. K. Alamgir**

Head Training, NIN VAST

Phone: 051-2896072 - 5

Fax: 051-2896070

Email: khalidalamgir@yahoo.com

[www.ninvast.edu.pk](http://www.ninvast.edu.pk)

**S. Zeeshan Abbas**

Coordinator, Department of Physics

(University of Karachi)

Mobile: 0333-2191070

Email: szabbas@uok.edu.pk

[www.uok.edu.pk](http://www.uok.edu.pk)

[www.uok.edu.pk](http://www.uok.edu.pk)

[www.ninvast.edu.pk](http://www.ninvast.edu.pk)