



3rd National Workshop on Ion Beam Induced Growth and Engineering of Materials

June 18-19, 2018

**Ion Beam Centre, Department of Physics
Kurukshetra University, Kurukshetra**

About Kurukshetra University

Kurukshetra University was established on 11th January 1957 and its foundation stone was laid down by Dr. Rajendra Prasad. Located on the western bank of the famous Brahm Sarovar in the holy city of Kurukshetra, land of the historical battle of 'Mahabharata' and the great message of Bhagwad Gita, University campus sprawls over an area of 425 acres having excellent infrastructure facilities and modern amenities. Being Grade 'A+' (NAAC accredited), the University provides an ideal atmosphere for academic pursuits. Kurukshetra City is well connected with other cities by rail and road. It is 160 km from New Delhi and 110 km from Chandigarh. The weather during June is normally hot and humid with temperature ranging from ~ 30°C to 40°C.

About the Workshop

Department of Physics is well recognized for its research activities in the area of Materials Science. We have successfully completed the major research project funded by DST, New Delhi wherein we have established an 'Ion Beam Centre' housing a dedicated '200 kV Ion Accelerator' in a specially designed building provided by the University, for the ion beam based research at Kurukshetra University, Kurukshetra. This Low Energy Ion Accelerator is now working as a 'National Ion Beam Facility'. Recently, we have been sanctioned another major research project by DST, New Delhi on the 'Utilization of Kurukshetra University Ion Beam Facility'. This facility will be of great use for the Physicists as well as other Scientists in diverse disciplines working in various Universities/Institutes to undertake a wide variety of frontline research. In this regard, we have already organized two National Workshops during March 11-12, 2014 and March 4-5, 2016 to acquaint the researchers with this facility. The aim of this 3rd two days National workshop on Ion Beam Induced Growth and Engineering of Materials (IBGEM-2018) is to further apprise the researchers with this facility and to identify the specific research proposals in various fields of study to be undertaken for the beam time allotment on this facility for its optimum utilization. Program will comprise of invited talks, plenary discussions, research proposal presentations for the beam time request etc.

Organizing Committee

Dr. Kailash Chandra Sharma Patron
Vice-Chancellor, Kurukshetra University

Prof. Shyam Kumar
Dean, Academic Affairs.

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Chairman, Department of Physics

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Dr. Annu Sharma
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Dr. A. K. Sinha, UGC-DAE CSR, Indore

Prof. S. Varma, IOP, Bhubaneswar

How to Apply

Interested Faculty members/ Scientists/ Research fellows can apply through Registration form available at our University website (www.kuk.ac.in).

Beam Time Request

Beam time request can be made by submitting the proposal as per the BTR form (which can be downloaded from our University website: www.kuk.ac.in) either through email or by post. TA /DA will be provided to Young Researchers for availing beam time.

The Registration form and Beam Time Request (BTR) form must reach the Convener, National Workshop IBGEM-2018, Ion Beam Centre, Department of Physics, Kurukshetra University, Kurukshetra 136 119 either by post or through email at the earliest by June 11, 2018 so that necessary arrangements can be made accordingly.

Email: ibgem@kuk.ac.in ; Website: www.kuk.ac.in

Convener: **Prof. Sanjeev Aggarwal**
Contact Number: 94162 27111

Secretary: **Dr. Annu Sharma**
Contact Number: 94166 55098



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Ion Beam Induced Growth and Engineering of Materials**

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**Ion Beam Centre, Department of Physics
Kurukshetra University, Kurukshetra**

Registration Form

Name	
Designation	
Organization	
Area of Research	
Mailing Address	
Mobile Number	
E-mail Address	
Beam Time Request (BTR) applied	
Accommodation Required	
Signature & Date	

E-Mail to: ibgem@kuk.ac.in

Send hard copy to: The Convener, National Workshop IBGEM-2018, Ion Beam Centre, Department of Physics, Kurukshetra University, Kurukshetra 136 119.

BEAM TIME REQUEST FOR ION BEAM FACILITY

Ion Beam Centre, Department of Physics, Kurukshetra University, Kurukshetra

Proposal No.

(to be filled by office)

1. Title of the Experiment:

2. Principal Investigator:

Name

Designation

Affiliation

(Institute/University)

Mailing Address

PIN Code

Telephone

_____ (Office)

_____ (Residence)

Mobile No.

E-mail Address

Fax

3 Collaborators:

Sr.No	Name	Affiliation	Contact Phone No. , E-Mail Address

4. Beam Requirements :

Ion species (with Mass no.)	Energy (keV)		Current (μ A)		Ion Fluence
	Min.	Max.	Min.	Max.	

5. Target / Sample Details

Material	Thickness	Backing (if any)		Any special property
		Material	Thickness	e.g. Hygroscopic, Toxic etc.

6. **Scientific Motivation for the Beam Time Request:** Kindly limit your description to **maximum of 200 words** of text only. (Annexure I)

7. **If a Ph.D Student involved in the Experiment, the following information is required**

A) Name of the Student _____

Research Field _____

Has he/she cleared
NET/GATE

Yes /
No

Year of clearing NET/Gate
Score:

Fellowship details

Yes /
No

Project & Amount

B) Mailing Address _____

Phone: _____

E-mail: _____

C) Ph.D. Registration Details

Date of

Registration _____

Department _____

University _____

D) Ph.D. Supervisor(s)

Name /

Designation _____

Department _____

University /

Institution _____

Mailing

Address : _____

Mobile / Phone

No. _____

E-Mail to : ibgem@kuk.ac.in

Send hard copy to: The Convener, National Workshop IBGEM-2018, Ion Beam Centre, Department of Physics, Kurukshetra University, Kurukshetra 136 119 earliest by June 11, 2018.

8.

Bio-data of Principal Investigator

**Name Designation
Affiliation :**

**Past
Affiliation(s) :
If any**

Contact Nos:

E-mail ID:

Date of Birth :

Academic Qualifications :

**Brief Research
Experience :**

List of previous Beam Times (if any) :

S.No.	Year/Month	Title	Status:

Date

Signature (Student)

Signature (Supervisor)