

## Work shop on Advanced Thinfilm Techniques (WATT-2012)

Date: 1<sup>st</sup> – 3<sup>rd</sup> November, 2012

### Identified Technical Sessions for WATT-2012

#### Day-I

Lecture-I (10.30AM-12.30PM) : *Physical Vapor Deposition Techniques (Evaporation): It covers the basics of evaporation techniques (Thermal & Electron Beam) with detailed mechanism and applications- (By Expert from DAE)*

12.30-1.30 (Lunch Break)

Lab-I: 1.30-2.30 PM: *Thermal Evaporation demonstration on Unit (Hindhivac System)*

Lab-I I: 3.00-4.00 PM: *E-Beam Evaporation demonstration on Unit (E-Beam Evaporation Unit, Plassys France)*

#### Day-II

Lecture-II: 10.30AM-12.30PM : *Physical Vapor Deposition Techniques (Sputtering): It covers the basics of sputtering techniques (RF, DC and Reactive Sputtering) with detailed mechanism and applications (By Expert from DAE)*

12.30-1.30 (Lunch Break)

Lab- III: 1.30-2.30 PM: *DC sputtering demonstration on Unit (Hindhivac System)*

Lab-IV: 3.00-4.00 PM: *RF/Reactive sputtering demonstration on Unit (Plassys France)*

#### Day-III

Lecture-III:9.30-10.30 AM : *Advanced Microscopic Techniques: AFM & FESEM (By Expert from DAE)*

Lab V: 10.30-11.30 AM- *Hands on training on Field Emission Scanning Electron Microscope and EDAX with sample (FESEM- Carl Zeiss, SUPRA 55 Model)*

Lab VI: 11.30 AM -12.30PM - *Hands on training on XRD system Rikagu SMART Lab - 9 kW model)*

12.30-1.30 PM Lunch Break

Lab VII: 1.30-3.00 PM- *Hands on training on AFM system (NTMDT- Ntegra Prima Model)*

3.30-4.00 PM- *Feedback Session*

For participation & technical details please contact:  
to:

Send your filled in Registration form

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# Centre for Nanoscience and Nanotechnology

(A Joint Initiative of IGCAR, Kalpakkam & Sathyabama University, Chennai)

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Sathyabama University

Work shop on Advanced Thin Film Techniques (WATT-2012)

Date: 1<sup>st</sup> – 3<sup>rd</sup> November, 2012

## REGISTRATION PROFORMA

\*Nature of Participant : Industries/Faculties & Scientists/Research Scholars/UG-PG Students/Others

Name :

Designation :

Institute/Company :

Address :

City :

PIN/ZIP code :

Country :

Phone (with area code) :

Mobile :

E-mail :

Mode of Payment : DD/Cash:

Demand Draft Details : Rs. 2000 in favor of Sathyabama University, Chennai

DD No. :

Date :

Amount :

Name of the Bank & Place :

\*Enclose ID-card / Certificate from institute

Place:

Date:

Signature

- The Registration fee includes: Breakfast, Lunch, Dinner, Snacks, Conference Kit and Certificate
- External Accommodation will be arranged outside on payment basis on request.

