

Workshop Objective

The two-day workshop will familiarize participants with the latest developments in wind energy and facilitate interaction between Indian and Denmark scientists working in the area. Many Denmark and Indian scientists and faculty will deliver lectures during this workshop focusing on the area of composites and materials for wind energy applications. We expect significant participation of young scientists and hope that the event will serve to initiate many long term collaborative research projects.

The workshop is jointly organized by Department of Applied Mechanics, IIT Delhi and Department of Wind Energy, Technical University of Denmark with partial financial support provided by Danish Agency for Science Technology and Innovation, Copenhagen.

Topics to be covered

- Renewable energy resources and its importance
- Current research status on wind energy
- Polymer composites - basic fundamentals
- Requirements and challenges for composites used in wind turbine blades
- Future materials for wind turbine blades
- Processing techniques for turbine blades
- Test methods for assessing interfaces in wind turbine blades
- Macro-scale test methods for assessing composites structures
- Structural Health Monitoring (SHM)
- Material models for analyzing composites with respect to small wind turbine blades
- Modeling aspects: failure & damage detection



Organizing Committee

- Prof. R.K.Mittal, IITD
- Prof. N.K. Gupta, IIT D
- Prof. S.N. Singh, IIT D
- Prof. S. Ahmad, IITD
- Dr. Rajesh Prasad, IIT D
- Dr. Leon Mishnaevsky, DTU
- Dr. Helmuth Toftegaard, DTU
- Dr. Christian Berggreen, DTU
- Dr. Bo Madsen, DTU
- Dr. Kaj Kvisgaard Borum, DTU
- Dr. Jakob Ilsted Bech, DTU

Speakers

Department of wind energy, DTU

- Dr. Povl Brøndsted,
- Prof. Bent F. Sørensen
- Dr. Hans Lilholt
- Dr. Lars Pilgaard Mikkelsen
- Dr. Tom Løgstrup Andersen
- Dr. R.T. Dural Prabhakaran
- Dr. Malcolm McGugan,

IIT Delhi

- Prof. Puneet Mahajan
- Prof. Naresh Bhatnagar
- Dr. Maloy K. Singha
- Dr. B.P. Patel
- Dr. Vikrant Tiwari
- Dr. Suresh Bhalla

Who should participate?

Practicing engineers (both government and private), Faculty members of engineering colleges and universities, Scientists from industries and R&D organizations, Research scholars & post-graduate students

Dates & Venue

Date : October 8-9, 2012

Venue: IIT Delhi

Registration Details

- Registration fee is **Rs. 10,250/-** (Inclusive of Service Tax) per participant and should be payable by Demand Draft/Cheque (*Delhi A/C*) in favour of "**FITT, IIT Delhi**".
- Registration fees for students and foreign delegates are given in workshop website (refer <http://indodanish.iitd.ac.in/>).
- Last date for registration:

Saturday, 1st September, 2012

REGISTRATION FORM

Indo-Danish Workshop on “Future Composite Technologies for Wind Turbine Blades”

(New Computational methods, Processing and
Materials Characterization Techniques)

(October 8 - 9, 2012)

Name: _____

Designation _____

Organization _____

Address: _____

Email: _____

Phone: _____

Fax: _____

Fees Payable to “FITT, IIT Delhi”

Draft/Cheque No.: _____

Dated: _____

Drawn on: (Bank) _____

Rs. _____

Signature of applicant

Accommodation

This is a non-residential programme. The participants are expected to make their own arrangements for stay. Subject to availability, the organizers will try to book accommodation on payment basis within the guest houses of IIT Delhi, if requested sufficiently in advance through the Registration Form.

IITD Coordinator

PROF. PUNEET MAHAJAN

Department of Applied Mechanics
Indian Institute of Technology Delhi
Hauz Khas, New Delhi-110016

Email: indodanish@am.iitd.ernet.in

Phone: +91 11 2659 1229 Fax: +91 11 2658 1119

DTU Coordinator

DR. R. T. DURAI PRABHAKARAN

Department of Wind Energy,
Technical University of Denmark,
DTU-Risø Campus, 4000 Roskilde

E-mail: rtdp@dtu.dk

Phone: +45 4677 5717 Fax: +45 4677 5758

Kindly send your registrations to:

Mr. K. K. Roy

Senior Manager (Tech./Admn.)

Foundation for Innovation & Technology Transfer
Indian Institute of Technology Delhi
Hauz Khas, New Delhi -110016 (INDIA)

Phone: (+91) 11 2659 7285, (+91) 11 2659 7164

Fax: (+91) 11 2685 1169

Email: kiritykumar@gmail.com

uaswal@gmail.com

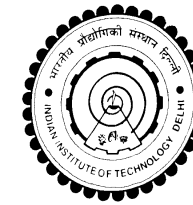
Indo-Danish Workshop on “Future Composite Technologies for Wind Turbine Blades”

(New Computational methods, Processing and
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Indian Institute of
Technology Delhi

Technical
University of
Denmark



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