

THEMES OF THE CONFERENCE

Renewable energy sources have become a necessity rather than a choice. There is a huge potential for wind energy but there is a lot to be perfected in all aspects. Particularly most regions of many countries including India are classified as low wind energy regimes necessitating identification of appropriate models for estimation and realization of potentials, site selection, new materials such as composites, new techniques of manufacturing, and policy making. This conference is aimed at providing a platform for discussion and dissemination of knowledge through the participation of all stakeholders, leading to certain recommendations on future course of action. Accordingly, the thrust areas of this conference are as follows but not limited to:

- Turbine blade design and manufacturing
- Future material for wind turbine: thermoplastics, natural composites, carbon fibre composites, sandwich core materials, hybrid materials, adhesive joints of composites
- Environmental effects on wind structure components
- Multi-scale modeling: materials and structures
- Multiscale testing: laminates and structures
- Off-shore wind energy technologies
- Structural health monitoring
- Models for estimation of wind energy potential
- Site selection for wind energy harnessing
- Wind energy application: technical challenges
- Grid connectivity issues for wind energy
- Analysis and design methods for wind turbines
- Wind energy technologies for off-grid applications
- Design of gear systems for wind turbines
- Policy issues for promotion of wind energy
- Any other relevant topics

WHO SHOULD ATTEND

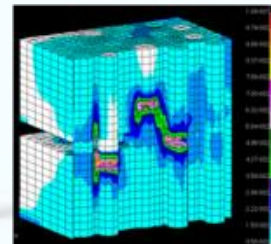
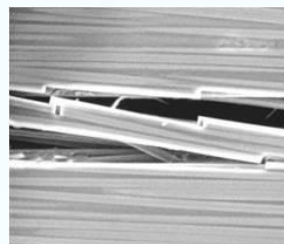
This conference is relevant to academics, research scholars/students, scientists, engineers, managers and policy makers, whose activities involve instruction/research/business/policy making in wind energy and related fields.

CALL FOR PAPERS FOR ORAL & POSTER PRESENTATIONS

Abstract of the paper in maximum 250 words with author(s) names, affiliations and contact details may be sent in MS-WORD to wemep2012@gmail.com. The abstracts will be reviewed and authors of the selected abstracts will be invited to submit full length papers as per the format available on the conference website. Peer-reviewed and selected full length papers will be published as e-proceedings. Work contained in the paper should be original and should not have been published elsewhere. It is mandatory for at least one author of the paper to register for the conference.

IMPORTANT DATES

Abstract Submission (**New Extended Date**): **Aug 16, 2012**
Confirmation of acceptance (abstract): **Aug 20, 2012**
Full length paper (strictly as per format): **August 31, 2012**
Confirmation of acceptance of paper: **September 29, 2012**
Registration: **October 08, 2012**



REGISTRATION FEES

*Student/Research Scholars Delegates from India	Rs. 1500/-
Delegates from University/ R&D organizations from India	Rs. 4000/-
Industry and other delegates from India	Rs. 5000/-
Foreign Delegates	US \$150

Registration fee includes registration kit (bag, printed material, stationery, Conference Proceedings CD), two Conference working lunches and Conference tea during sessions. Early-bird-discount of Rs. 500 on registration fee for registrants registering by Oct 1, 2012.

ACCOMMODATION

Accommodation Type	Contact Details
SUMMER GREEN	http://summergreenresorts.com/
ALANKRITA (4 star resort)	http://aalankrita.com/
LEONIA (4 star resort)	http://leonia.in/
THE PURPLE LEAF HOTEL	http://thepurpleleafhotels.com/

The above hotels are near the venue. Delegates must directly contact the hotel reception for booking their accommodation.

SPONSORSHIP FROM INDUSTRY/AGENCY*

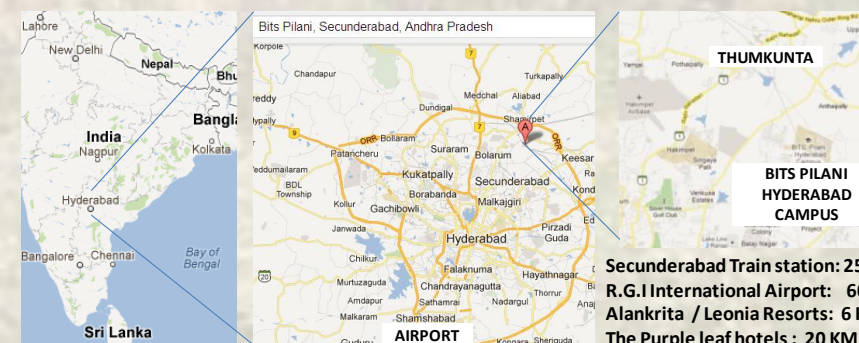
Platinum: Five free delegates and mention by banner and in the Proceedings	Rs. 40000/-
Gold: Three free delegates and mention by banner and in the Proceedings	Rs. 30000/-
Silver: One free delegate and mention by banner and in the Proceedings	Rs. 20000/-

* Refer the conference website for more details regarding sponsorship or send an email to BITS-Technical committee chairman.

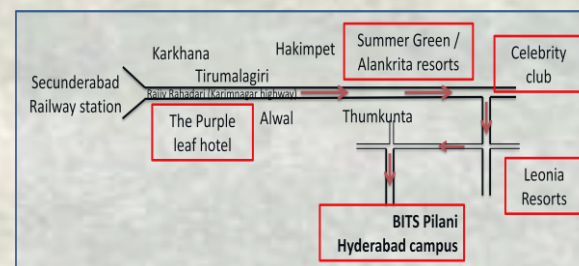
HYDERABAD CITY SIGHTSEEING TOURS

Hyderabad is a popular tourist destination. Delegates interested in the city tour may contact AP Tourism (www.aptdc.in/home/intro.php) or Southern Travels, India (www.southerntravelsindia.com).

ROUTE TO BITS-PILANI, HYDERABAD CAMPUS



Secunderabad Train station: 25 KM
R.G.I International Airport: 60 KM
Alankrita / Leonia Resorts: 6 KM
The Purple leaf hotels : 20 KM



Indo-Danish International Conference On Wind Energy: Materials, Engineering and Policies (WEMEP-2012) November 22-23, 2012

Jointly Organized by



Department of Mechanical Engineering,
BITS-PILANI,
Hyderabad Campus, India



Department of Wind Energy,
Technical University of Denmark,
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Sponsored by



Danish Agency for Science
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At



Birla Institute of Technology & Science, Pilani
Hyderabad Campus

HYDERABAD 500078, INDIA



<http://wemep2012.com/>

ABOUT BITS-PILANI

The Birla Institute of Technology & Science (BITS) Pilani is an all-India Institute for higher education. The Institute is a dream come true of its founder late Mr G.D.Birla - an eminent industrialist, a participant in the Indian freedom struggle and a close associate of the Father of Indian Nation Mahatma Gandhi. What started in early 1900s as a small school, blossomed into a set of colleges for higher education, ranging from Humanities to Engineering until 1964 when all these colleges amalgamated to culminate into a unique Indian University of International reputation named as the Birla Institute of Technology and Science, Pilani, known to many as BITS, Pilani. Over the years, BITS has provided the highest quality technical education to students from all over India admitted on the basis of merit. BITS graduates may be found throughout the world in all areas of engineering, science and commerce. BITS-Pilani is now ranked among the top Engineering Institutes of India. BITS is located in the Vidya Vihar campus adjacent to the town of Pilani in Rajasthan. BITS-Pilani has another two campuses in India (Goa, Hyderabad) and one international campus in U.A.E (Dubai).

ABOUT TECHNICAL UNIVERSITY OF DENMARK

The Technical University of Denmark often simply referred to as DTU, is a university just north of Copenhagen, Denmark. It was founded in 1829 at the initiative of Hans Christian Ørsted as Denmark's first polytechnic, and is today ranked among Europe's leading engineering institutions, and the best engineering university in Scandinavia. DTU is recognized internationally as a leading university in the areas of technology and natural sciences and is known for its business-oriented approach, its focus on sustainability and its appealing study environment. The University's main services, are education, research, public sector consultancy and innovation, and are managed by the departments within their individual areas. The departments plan and organize the research and teaching within each of their academic areas and collaborate on the individual disciplines and lines. DTU has a number of affiliated companies (public limited companies) with independent boards. These subsidiaries underpin the University's core services through their activities and on market terms.

The Department of Wind Energy is the largest research centre for wind energy worldwide with more than 230 staff members, including 150 academic staff members and nearly 60 PhD students. The department focuses on wind energy systems, wind turbine technologies as well as fundamental research areas such as fluid dynamics, composite materials and metallic materials.

ABOUT C-WET, CHENNAI, INDIA

The Center for Wind Energy Technology (C-WET), Chennai, India was established in Chennai in the year 1998, as an autonomous R&D institution by the Ministry of New and Renewable Energy (MNRE), Government of India. It is a knowledge-based institution of high quality and dedication, offers services and seeks to find complete solutions to the kinds of difficulties and improvements in the entire spectrum of the wind energy sector by carrying out further research. It has a Wind Turbine Test Station (WTTS) at Kayathar with the technical & partial financial support by DANIDA, Government of Denmark.

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Delegates from Within India: Send duly filled registration form along with registration fee by Demand Draft drawn in favour of “BITS-Pilani, Hyderabad Campus” to the Chairman, BITS Technical Committee, WEMEP-2012, Department of Mechanical Engineering, BITS-Pilani, Hyderabad Campus, Jawahar Nagar, R.R. Dist, Hyderabad – 78. Registration form is enclosed as well as available for download from Conference website. Alternative method for payment of registration fee is by Netbanking/Online Transfer to the following details. Please send the transaction receipt by email.

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Branch: Jawahar Nagar, BITS-Pilani Hyderabad Campus, Hyderabad, 500078, India

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