

One Day



BITS Pilani
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International Workshop on **Clean Energy**

2022

(IWCE-2022)

Organized by

**Department of Mechanical Engineering
Birla Institute of Technology and Science
Pilani, Pilani Campus**

Date of Workshop: 5th November, 2022

**Venue: Civil Engineering Seminar Hall,
BITS Pilani, Pilani Campus, Pilani, Rajasthan,
India-333031**

Information Brochure

About the Workshop

The Clean Energy is one of the leading research areas for the international energy modeling research community. In a world of environmental and economic constraints, energy modeling is an increasingly important tool for addressing the complexity of energy planning and policy making.

The international workshop on "Clean Energy" provides a venue for the researchers to compare quantitative energy projections, to understand the reasons for diverging views of future energy developments, and observe new trends in global energy production and consumption.

The workshop typically includes Keynote sessions and focuses on a wide array of topics, including heat transfer, fluid dynamics, solar energy, nanofluid, droplets, natural refrigerant, energy savings and efficiency, environmental and climate policy, etc.

About BITS Pilani

Birla Institute of Technology and Science, Pilani, Pilani campus at Pilani (Rajasthan) was set up in technical collaboration with MIT (USA), under the Ford Foundation Grant and later was deemed to be a university in 1964. It is spread over 328 acres; the campus is self-contained and houses all the amenities and buildings that befit an institute of international standards. The programmes are fully residential with 11 hostels for boys and one hostel complex for girls. Around 4,500 students live on campus along with 350 faculty members, their family, and a vast pool of support staff. An intellectual powerhouse, the campus has successfully attracted healthy amounts of research funding from government grants and private bodies. The research facilities are wide ranging, with a number of laboratories focused on all aspects of science and technology.

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About Department of Mechanical Engineering

Started in 1946, Mechanical Engineering Degree Program is one of the oldest at BITS Pilani. The department is vibrant with several activities round the year. It is a DST-FIST Sponsored (2002-2007) and UGC-SAP Sponsored (2007-2012) Department. We have research focus that benefits industry, society and the environment. Several faculty members of the department also share administrative duties. The Department offers two Integrated First-Degree Programs and three Higher Degree Programs on campus apart from off campus programs under continued education scheme. The curricula are highly demanding and attracts exceptionally meritorious students from all over India. Research emphasis is there in all tiers of education, First Degree, Higher Degree and Ph.D. Students look for challenging careers in best of the organizations within India and abroad. There is huge potential in the department for Consultancy as well as Technology and Product incubation.



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Speakers

- **Prof. Zhongjie Huan**, Tshwane University of Technology, South Africa
- **Prof. Suvanjan Bhattacharyya**, Birla Institute of Technology and Science Pilani, India
- **Prof. Thembelani Sithebe**, University of South Africa, South Africa
- **Prof. Vasudeva Rao Veeredhi**, University of South Africa, South Africa
- **Prof. M. S. Dasgupta**, Birla Institute of Technology and Science Pilani, India
- **Prof. Chennu Ranganayakulu**, Birla Institute of Technology and Science Pilani, India
- **Prof. P. Srinivasan**, Birla Institute of Technology and Science Pilani, India
- **Prof. Manoj Kumar Soni**, Birla Institute of Technology and Science Pilani, India
- **Mr. Devendra Kumar Vishwakarma**, Birla Institute of Technology and Science Pilani, India
- **Mr. Rahul Ukey**, Birla Institute of Technology and Science Pilani, India
- **Mr. Naveen PT**, Birla Institute of Technology and Science Pilani, India
- **Mr. K A Swamy**, Birla Institute of Technology and Science Pilani, India
- **Mr. Kunal Dey**, Birla Institute of Technology and Science Pilani, India
- **Mr. Tapasvi Bhatt**, Birla Institute of Technology and Science Pilani, India
- **Mr. Ramesh Kumar**, Birla Institute of Technology and Science Pilani, India

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Organizing Committee

- **Chief Patron:**

Prof. Souvik Bhattacharyya, Vice Chancellor, BITS Pilani

- **Patron:**

Prof. Sudhirkumar Barai, Director, Birla Institute of Technology and Science Pilani, India

- **Workshop Chair:**

Prof. Srikanta Routroy, Birla Institute of Technology and Science Pilani, India

- **Organizing Secretary:**

Prof. Suvanjan Bhattacharyya, Birla Institute of Technology and Science Pilani, India

- **Committee Members:**

Prof. M. S. Dasgupta, Birla Institute of Technology and Science Pilani, India

Prof. Chennu Ranganayakulu, Birla Institute of Technology and Science Pilani, India

Prof. Manoj Kumar Soni, Birla Institute of Technology and Science Pilani, India

Prof. P. Srinivasan, Birla Institute of Technology and Science Pilani, India

Prof. A. R. Harikrishnan, Birla Institute of Technology and Science Pilani, India

Prof. Shyam Sunder Yadav, Birla Institute of Technology and Science Pilani, India

Prof. Saket Verma, Birla Institute of Technology and Science Pilani, India

Prof. Aneesh A. M., Birla Institute of Technology and Science Pilani, India

Prof. Md. Qaisar Raza, Birla Institute of Technology and Science Pilani, India

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SCHEDULE

INAUGURAL CEREMONEY

Time: 9:00 A.M. – 9:45 A.M.

TEA BREAK

Time: 9:45 A.M. – 10:00 A.M.

TECHNICAL TALK 01

Prof. Zhongjie Huan, Tshwane University of Technology, South Africa

Time: 10:00 A.M. – 10:30 A.M.

Session Chair: **Prof. M. S. Dasgupta**, BITS Pilani

TECHNICAL TALK 02

Prof. Chennu Ranganayakulu, Birla Institute of Technology and Science Pilani, India.

Time: 10:30 A.M. – 11:00 A.M.

Session Chair: **Prof. Vasudeva Rao Veeredhi**, UNISA, South Africa.

TECHNICAL TALK 03

Prof. M. S. Dasgupta, Birla Institute of Technology and Science Pilani, India.

Time: 11:00 A.M. – 11:30 A.M.

Session Chair: **Prof. Zhongjie Huan**, TUT, South Africa.

TECHNICAL TALK 04

Prof. Thembelani Sithebe, University of South Africa, South Africa

Time: 11:30 A.M. – 12:00 P.M.

Session Chair: **Prof. Manoj K Soni, BITS Pilani.**

TECHNICAL TALK 05

Prof. Manoj Kumar Soni, Birla Institute of Technology and Science Pilani, India.

Time: 12:00 P.M. – 12:30 P.M.

Session Chair: **Prof. Thembelani Sithebe, UNISA, South Africa.**

LUNCH BREAK

Time: 12:30 P.M. – 2:00 P.M.

TECHNICAL TALK 06

Prof. Vasudeva Rao Veeredhi, University of South Africa, South Africa.

Time: 2:00 P.M. – 2:30 P.M.

Session Chair: **Prof. Shyam Sunder Yadav, BITS Pilani.**

RESEARCH PRESENTATION 01

Mr. Devendra Kumar Vishwakarma, Birla Institute of Technology and Science Pilani, India.

Time: 2:30 P.M. – 3:00 P.M.

Session Chair: **Prof. Thembelani Sithebe, UNISA, South Africa.**

RESEARCH PRESENTATION 02

Mr. Rahul Ukey, Birla Institute of Technology and Science Pilani, India.

Time: 3:00 P.M. – 3:20 P.M.

Session Chair: **Prof. Manoj K Soni**, BITS Pilani.

RESEARCH PRESENTATION 03

Mr. Naveen PT, Birla Institute of Technology and Science Pilani, India.

Time: 3:20 P.M. – 3:40 P.M.

Session Chair: **Prof. Saket Verma**, BITS Pilani.

RESEARCH PRESENTATION 04

Mr. Kunal Dey, Birla Institute of Technology and Science Pilani, India.

Time: 3:40 P.M. – 4:00 P.M.

Session Chair: **Prof. Zhongjie Huan**, TUT, South Africa.

TEA BREAK

Time: 4:00 P.M. – 4:15 P.M.

TECHNICAL TALK 07

Prof. P. Srinivasan, Birla Institute of Technology and Science Pilani, India.

Time: 4:15 P.M. – 4:45 P.M.

Session Chair: **Prof. A. R. Harikrishnan**, BITS Pilani.

RESEARCH PRESENTATION 05

Mr. K A Swamy, Birla Institute of Technology and Science Pilani, India.

Time: 4:45 P.M. – 5:05 P.M.

Session Chair: **Prof. Aneesh A. M.**, BITS Pilani.

RESEARCH PRESENTATION 06

Mr. Tapasvi Bhatt, Birla Institute of Technology and Science Pilani, India.

Time: 5:05 P.M. – 5:25 P.M.

Session Chair: **Prof. Thembelani Sithebe, UNISA, South Africa.**

RESEARCH PRESENTATION 07

Mr. Ramesh Kumar, Birla Institute of Technology and Science Pilani, India.

Time: 5:25 P.M. – 5:45 P.M.

Session Chair: **Prof. Zhongjie Huan, TUT, South Africa.**

VALIDATORY CEREMONY

Time: 5:45 P.M. – 5:50 P.M.

TEA BREAK

Time: 5:50 P.M.

Contact Details

FOR GENERAL QUERIES

ORGANIZING SECRETARY

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