

# International Workshop on Energy, Power and Environment (IWEPE 2019)



March 17-19 | 2019

Organized By

**National Institute of Technology Kurukshetra**

Kurukshetra | 136119 | Haryana | INDIA

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## **Kurukshetra :The Land of Mahabharata**

Kurukshetra is a place of religious pilgrimage and historical significance. It is the land of Mahabharata, the place where sermons of 'Bhagwad Gita' were delivered. In medieval period, Thanesar, the old city, was the seat of power of Harshwardhana. Kurukshetra is well connected with railways/roadways. It is a railway junction on Delhi-Ambala section and is situated on National Highway No. 44. It is approximately 160 km from Delhi, 100 km from Chandigarh and 194 km from Shimla. NIT Kurukshetra is about 10 km from Pipli and 6 km from Kurukshetra railway station.



## **NIT Kurukshetra**

National Institute of Technology Kurukshetra is an Institution of National Importance and has been a premier technical institute of the region. Founded in 1963 as Regional Engineering College Kurukshetra, the institute was rechristened as National Institute of Technology Kurukshetra on June 26, 2002. The institute offers 4-year B.Tech. degree courses in the engineering streams of Civil, Computer, Electrical, Electronics & Communications, Mechanical, Information Technology and Production & Industrial Engineering. The institute also offers 2-year M.Tech. degree courses in 22 areas of specializations of science & technology and post - graduate courses in MBA and MCA. In addition to providing education in various disciplines of Engineering and Technology at the Undergraduate and Post-graduate levels, the institute also has excellent facilities for research in the emerging areas including Nanotechnology, Ergonomics, Robotics, CAD/CAM, Energy and Environment. The infrastructure is geared to enable the institute to turn out technical personnel of high quality.



## THE WORKSHOP

International Workshop on Energy, Power and Environment (IWEPE 2019) during March 17-19, 2019 is being organized by National Institute of Technology Kurukshetra in collaboration with University of Maryland, College Park, University of Illinois at Chicago, Analytic & Computational Research Inc. USA and IIT, Kanpur. This is the 10<sup>th</sup> in a series of workshops on the broad theme of Energy, Power and Propulsion that started in 2004 with a review of the Status of Combustion in India and has evolved into a forum for the status of Sustainable Energy Development for Power and Propulsion worldwide.

The previous iteration of the workshop was also held at NIT Kurukshetra, India during March 18-22, 2018, sponsored by the Office of Naval Research (ONR), National Science Foundation in the USA, DRDO, TBRL and several industries in India and was also co-sponsored by several leading research organizations and universities in the USA and India. Many world-renowned scientists and researchers from the USA, UK, Australia, Germany, France, Italy, Brazil, Thailand, Japan, Malaysia, Saudi Arabia, India and several other countries worldwide presented their latest research and development findings and shared their research with the international scientists and engineers at the workshop.

### HIGHLIGHTS

- ❖ Invited talks by renowned experts in the field of energy and combustion from across the globe.
- ❖ Discussion on collaborative research proposal.
- ❖ Enhancing International Relations.
- ❖ Poster presentation competition for student researchers.
- ❖ Publication in the form of Monographs/Books.

### WHO SHOULD ATTEND?

Researchers and engineers from academia, R&D organizations and industries working in the areas of fuels, energy, combustion, power, propulsion, hypersonics, air pollution, sensors and diagnostics, modeling, fossil- and bio-fuels, alternative energy, energy-water nexus, droplets and atomization, novel combustion concepts, engine combustion, gas turbine combustion, swirl flows and other related areas.

For more information, please visit the workshop website:  
<http://iwepe2019.org>

## **SPONSORSHIP OPPORTUNITIES**

The workshop organizers are seeking sponsors & industrial support and offer the best stage for the event in terms of additional activities. Sponsorship of IWEPE 2019' provides a sponsor or an organization with a unique opportunity to increase its visibility and product awareness within a highly specialized and influential community. The organizers present a wide spectrum of sponsorship.

### **BENEFITS**

- ❖ Company logo on the main backdrop of the workshop as an exclusive sponsor.
- ❖ Company logo at other prominent places at the workshop venue.
- ❖ Company logo on event website with a hyper link to company website.
- ❖ Company information in the delegate kit (in CD/DVD or USB Drive only).

### **Platinum Sponsor**

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### **Silver Sponsor**

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for 1 member

## **CALL FOR POSTERS**

Poster presentations offer researchers an excellent forum to present and discuss preliminary research findings along with novel and original ideas. Posters also provide an opportunity for authors to present advances in existing pool of knowledge in key areas of engineering, science and technology. Presenting a poster is a great way to get feedback simultaneously while having one to one interaction with peers. Poster presentations will be an integral part of the IWEPE-2019, with an interactive discussion between presenters and other distinguished delegates.

We invite student researchers in the broad area of energy to submit abstracts for the posters presentation during the workshop.

## **REGISTRATION FEE**

Type	Details
International/Foreign Delegate	US\$ 250
International Student/Research Scholar**	US\$ 150
Accompanying Person	US\$ 150
Indian Delegate (Academia)	INR 6000
Indian Delegate (Industry / R & D Organisation)	INR 10000
Indian Student/Research Scholar**	INR 3000
Accompanying Person	INR 3000

- ❖ Registration fee for delegates includes: Attendance to the all the three-day workshop sessions, keynotes, exhibition, workshop satchel and materials, certification, refreshments/meals during the workshop, and the workshop dinner.
- ❖ Registration fee for accompanying person includes: Attendance to the all the workshop sessions, keynotes, exhibition, Local Excursion, refreshments/ meals during the workshop.

\*\*Students/ Research scholars should supply proof of full-time Student/Research scholar's status from the University to claim student rates.

Registration fee can be paid through SBI Collect (Link available at the Website: <http://iwepe2019.org/registration.php>). Payment can also be made through Demand Draft/Cheque in favour of "DIRECTOR NIT KURUKSHETRA" payable at "NIT Kurukshetra". Please send the original Demand Draft/Cheque along with the Registration Form (available at the Website) through post to the following address - Dr. Gulshan Sachdeva, Mechanical Engg. Dept., NIT Kurukshetra, Haryana, 136119

## **ACCOMMODATION**

### **Students**

Accommodation for student delegates may be arranged in the institute hostel at a nominal price of Rs. 300/- per day (MAP) on twin sharing basis.

### **Delegates**

Limited accommodation for the delegates may be arranged in NIT Kurukshetra Guest House/International Hostel (H-11) on twin sharing basis.

There are various good hotels available in the Kurukshetra City (within 10 KM) in the range of Rs. 1000/- to Rs. 4000/- per day. Pertinent to mention that pick and drop facility will be provided by the organizers.

**Please note that the delegates will bear the accommodation related expenses themselves.**

## DISTINGUISHED SPEAKERS

- Dr. Rector Mikko Hupa** | Abo Akademi University, Finland
- Dr. Bhupendra Khandelwal** | Sheffield University, UK
- Dr. K. Kailasanath** | Naval Research Laboratory, USA
- Dr. Somrat Kedsuwan** | KMUT, North Bangkok, Thailand
- Dr. Y. H. Taufiq-Yap** | Universiti Putra, Malaysia
- Dr. Assaad Masri** | The University of Sydney, Australia
- Dr. Ryo Amano** | University of Wisconsin Milwaukee, USA
- Dr. Klas Engvall** | KTH, Sweden
- Dr. Marcelo De Lemos** | ITA, Brazil
- Dr. Naveen Kumar** | DTU, India
- Dr. Anjan Ray** | IIT Delhi, India
- Dr. Achintya Mukhopadhyay** | Jadavpur University, India
- Dr. Swarnendu Sen** | Jadavpur University, India
- Dr. Hukam Mongia** | University of Connecticut, USA
- Dr. Sutapat Kwankaomeng** | KMITL, Thailand
- Dr. Keiichi Okai** | JAXA, Japan
- Dr. James McGuirk** | Loughborough University, UK
- Dr. Santarelli Massimo** | Politecnico di Torino, Italy
- Dr. S. Basu** | CSIR-IMMT, India
- Dr. D. Chakroborty** | DRDL, India
- Dr. S. Mukhopadhyay** | IIT Jodhpur, India
- Dr. Santanu De** | IIT Kanpur, India
- Dr. S. Choudhury** | IISc, India

## INTERNATIONAL SCIENTIFIC ADVISORY

- Dr. Peter Lindstedt** | Imperial College London
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- Dr. Kemal Hanjalic** | Darmstadt University of Technology, Germany
- Dr. Biagio Morrone** | Universita Delgi Studi Della Campania, Italy
- Dr. Thomas Kolb** | Karlsruhe Institute of Technology, Germany

## REACH US

Kurukshtera being the destination of all social, spiritual and political traditions of the ancient times is a prime center of attraction for the people. Different parts of the country are connected to Kurukshtera in the following ways:

1. **Airways** : 185 km away from Indira Gandhi International Airport (DEL), New Delhi and 100 km away from Chandigarh Airport (IXC), Chandigarh.
2. **Railways** : 4 Km from Kurukshtera (KKDE) Railway Station. Being a major tourist destination, one can easily get regular trains to Kurukshtera from other major cities like Delhi, Gurgaon, Jaipur, Mumbai, Kolkata.
3. **Roadways** : Kurukshtera is connected to all parts of the country through National Highway 44. Important nearby cities are Delhi NCR, Chandigarh, Ambala, Dehradun.

### Glimpses of ISEPP 2018



## **STEERING COMMITTEE**

### **PATRON**

**Padma Shree Dr. Satish Kumar**

Director, National Institute of Technology Kurukshetra

### **CONVENERS**

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NIT Kurukshetra  
Kurukshetra, India

#### **Prof. Mahesh Pal**

NIT Kurukshetra  
Kurukshetra, India

#### **Prof. Surinder Deswal**

NIT Kurukshetra  
Kurukshetra, India

#### **Prof. Sathans**

NIT Kurukshetra  
Kurukshetra, India

#### **Dr. Vinod Kumar**

NIT Kurukshetra  
Kurukshetra, India

#### **Dr. Gulshan Sachdeva**

NIT Kurukshetra  
Kurukshetra, India

### **ORGANIZING TEAM**

#### **Prof. Ashwani K. Gupta**

Distinguished Professor  
University of Maryland, USA

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ACRI, USA

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Professor, IIT Kanpur,  
Kanpur, India

#### **Prof. Ashoke De**

Professor  
IIT Kanpur, India



### **CONFERENCE SECRETARIAT**

#### **IWEPE 2019**

**Training & Placement Cell**

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