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# International Conference

on

## New Frontiers in Engineering, Science & Technology

(NFEST-2018)

January 8-12, 2018

New Delhi, India



Organized by

**Society for Fusion of Science & Technology**

In Association With

**Delhi Technological University | NIT Kurukshetra  
YMCA University of Science & Technology  
& Shriram College of Engineering & Management**



Knowledge Partner

Institution of  
**MECHANICAL  
ENGINEERS**

Dear Colleagues,

Greetings from the Organizing Committee of International Conference on New Frontiers in Engineering, Science & Technology (NFEST-2018) to be held in New Delhi, India from January 8-12, 2018. The Conference is organized by Society for Fusion of Science and Technology (SFST), a collegium of people from academia and research, entrepreneurs, industry experts, engineers, artists, legal, medical and management professionals, who have come together to promote inter-disciplinary science and technology, enhance synergetic partnership between academia, research institutions & industry; undertake systematic studies and research in scientific endeavors of national and international importance.

The organizing Committee has the real pleasure to invite you to attend the NFEST-2018. The conference aims to harbour a platform to facilitate the exchange of ideas, expertise and experience amongst scientists, researchers and other stake holders for sustainable future. The target audience of NFEST-2018 includes people from academia, research institution, industry and government, particularly; scientist, researchers, policy-makers, engineers, artists, management professional, Ph.D. and Masters Students and specialists from different streams. The speakers from India, Japan, Italy, South Korea, Malaysia, Thailand, Taiwan, Germany, Spain, Nigeria, South Africa, Ethiopia and USA are expected to present their papers during the conference. Moreover, it shall provide a business platform for networking, exploring new opportunities and forging deals in a different spectrum of areas. This shall be a wonderful opportunity to market your technology, products and also to expand your

business. An Investors' Meet is also planned during the conference for investment in African countries, Nigeria in particular.

The conference has received a wonderful response from industry and academia and more than 250 full-length papers from 15 different countries have been received by the Technical Committee. A large number of posters is also pouring in. The main topics of the conference are Mechanical Engineering; Civil, Environmental and Architectural Engineering; Electrical & Electronics Engineering; Computer Science & Information Technology, Science and Technology, Industrial Economics, Finance and Accounting, Educational and Pedagogical Science etc.

## **Indexing and Associate Journals**

The accepted papers will be indexed in all the major indexing systems such as Google Scholar/Scopus/ Indian Citation Index. The selected papers of NFEST-2018 shall also be published in International Journal of Engineering, Transaction A and B (Scopus indexed) and Elsevier Procedia after pre-review. Moreover, many other journals (Scopus Indexed/UGC Approved) have also agreed to publish accepted papers of the conference after due evaluation.

## **Partners**

The conference has strategic partners both in India and abroad. National Research Institute for Chemical Technology, Nigeria; Sokoto State University, Nigeria, Institution of Mechanical Engineers, UK; Delhi Technological University, Delhi; NIT Kurukshetra, Kurukshetra and YMCA University of Science & Technology, Faridabad are conference partners as on date. Many more shall join shortly.

## Advertisements, Exhibition and Sponsorship

An exhibition of scientific equipment, emerging technology, books and other products will be organized during the conference. Sponsorship to the conference is welcome at all levels. The interested persons/companies may visit <http://nfest.org.in/sponsorship/> and contact the Conference Secretariat for further details.

## Venue

The Conference is being organized at Sprawling Campus of Delhi

Technological University (Formerly Delhi College of Engineering), Delhi which is located in Rohini, North West Delhi. DTU is spread over an area of around 163 acres and ranked amongst top ten technological institutes of India.

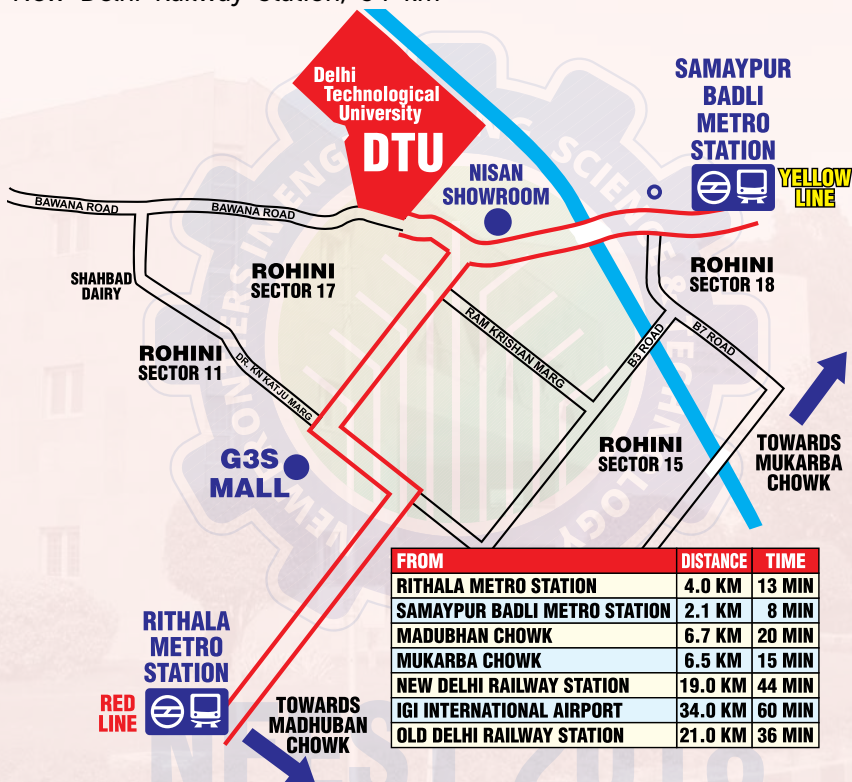
## Address

Delhi Technological University (DTU), Opposite Sector 17, Rohini, Delhi 110042, Tel: +91-11-27871018. Please visit <http://dtu.ac.in> for further details.

## Location Map

The campus of the Delhi Technological University (DTU) is located in the Rohini area of North West Delhi and is about 19 km from New Delhi Railway Station, 34 km

from the Indira Gandhi International Airport and 30 km from Domestic Airport. It is around 2 km from Samaypur Badli Metro Station (Yellow Line) and 4 Km from Rithala Metro Station (Red Line).



## Accommodation

The key note speakers and other invited guests shall be provided accommodation in hotels. In addition, for the benefit of participants, rooms have been made available at various hotels in Delhi, near the conference venue, at specially negotiated prices. To ensure assured accommodation, participants are strongly advised to book the preferred hotel at the earliest.

Please contact Mr. Kunwarjeet Singh, Green Chili Holidays (+91-9818529130/9910323510, [www.greenchiliholidays.com](http://www.greenchiliholidays.com), [contact@greenchiliholidays.com](mailto:contact@greenchiliholidays.com)) for booking accommodation. You may also contact him for pre or post conference tours in India other than Agra and Delhi. The amount of accommodation needs to be paid by the delegates directly to M/s Green Chili Holidays.

## Nearby Hotels

Name	Website	Distance From DTU
Hotel City Park, Pitampura	<a href="http://bit.ly/2f0DQz8">http://bit.ly/2f0DQz8</a>	7.4 KM
Caspia Hotel (Formerly Premier Inn), Shalimar Bagh	<a href="http://bit.ly/1VrHKLu">http://bit.ly/1VrHKLu</a>	4.4 KM
Crowne Plaza, Rohini	<a href="http://bit.ly/2gZQNpO">http://bit.ly/2gZQNpO</a>	4.0 KM
Radisson Blu Hotel, Paschim Vihar	<a href="http://bit.ly/2eSgnN6">http://bit.ly/2eSgnN6</a>	14.0 KM
Step Inn, Sector-15 Rohini	<a href="http://bit.ly/2xu1NXa">http://bit.ly/2xu1NXa</a>	4 KM
Hotel Park Residency, Pitampura	<a href="http://bit.ly/2w3vWfR">http://bit.ly/2w3vWfR</a>	6.5 KM
A & M Residency, Near Kohat Enclave	<a href="http://bit.ly/2vR5lhW">http://bit.ly/2vR5lhW</a>	7 KM

## Electrical supply

Electrical supply in India is 220 Volts AC, 50Hz.

## Medical Facilities

The organizer of the conference will try to provide emergency medical aid to the needy delegates. However, delegates are advised to bring their own medicines with prescriptions of a doctor from their respective countries.

with their timings notified on the conference website. A pre-paid taxi (ordinary or Luxury) can be booked on payment at the lounge of the airport after customs area. Payment should be made in Indian currency. Radio cabs are available by calling 43434343. Please do not pay any tips. For emergency, please contact Police by dialling 100. Transportation charges from airport to the venue should be around ₹700.

## Arrival at the airport

The Conference organizers shall provide transportation to all key note speakers and invited guests from Airport to their respective hotels or International guest house. A shuttle service shall also be operated

## Foreign exchange

Participants may bring with them into India sufficient sums of foreign currency, travellers' cheques preferably in US dollars / Euro / British pounds, in order to meet their personal expenses.



## Registration Amount

All delegates of NFEST2018 are hereby informed that registration to NFEST2018 is mandatory and the requisite fee is as under:

Category	Before 15.10.2017	After 15.10.2017
Indian Delegate (Academia)	₹7000	₹8000
Indian Delegate (Others )	₹8000	₹9000
Foreign Delegate	US\$ 400	US\$ 600
Full-Time UG / PG Student	₹2500 / US\$ 150	₹3000/ US\$ 200
Full-Time Research Scholar	₹3500 / US\$ 200	₹4500/ US\$ 250
Accompanying Person	₹5000/ US\$ 300	₹6000 / US\$ 400

\* Registration Fees in US\$ is applicable for Foreign Delegates.

## Registration Fees Cover

All Registered Delegates: Access to all Sessions; Welcome Reception & Opening Ceremony, Refreshment during Tea Breaks, Lunches, Presidential Dinner; Conference Kit. Accompanying Person (Relative of Registered Delegate): Welcome Reception & Opening Ceremony; Refreshments during the Tea Breaks; Lunches; Presidential Dinner

All full-time UG/PG students and research scholars are requested to submit a letter clearly stating their studentship status duly forwarded by the Head of the Institution / Supervisor along with the Registration Form.

## Mode of payment of registration fee

The registration to the conference can be made online through conference website [www.nfest.org](http://www.nfest.org). in/registration. Moreover, as part of the off-line registration, demand draft/cheque/cash may be deposited by the delegates in favor of "Society for Fusion of Science & Technology", A/c No. 036701003563, ICICI Bank, Sector 11, Rohini, Delhi-110085 Branch (IFSC Code: ICIC0000367, SWIFT Code: ICICINBBNRI). The

above details may also be used for electronic funds transfer (NEFT/ RTGS) as well. For confirmation and verification, the scanned copy of bank receipt along with scanned copy of duly filled registration form may be mailed to [nfest2018@gmail.com](mailto:nfest2018@gmail.com). Please add ₹150/- as bank charges if the cash is deposited at ICICI branches other than Sector 11, Rohini, Delhi.

## Registration for UG/PG students or Research Scholars

Delegates who are full-time UG/ PG student or Research Scholar and willing to register under these categories, they are required to submit a letter of the effect that they are full-time UG/PG student or Research Scholar duly forwarded by the Head of the Institution/ University or Departmental Chair. They are also required to send a scanned copy of their valid identity card to Conference Secretariat for the record; otherwise, it shall not be considered registration under these categories."No part time student/ research scholar can register under these categories".

## Poster Presentation

The conference is open for poster presentation. The facility will be available to exhibit posters of size 4ft X 3ft. Please submit abstract of your poster online at <https://goo.gl/pMZxMj>. The last date for abstract submission (for poster presentation) is 10th December 2017. The last date for registration in this category is 15th December 2017. The dates for poster presentation are January 9-10, 2018.

## Language

The official language of the Conference will be English. No facility for simultaneous translation will be available.

## Weather

With the onset of spring, the pleasantly welcoming weather of Delhi will definitely allure you in January with the temperature ranging from 2-12°C. It is the most suitable time to visit New Delhi and nearby historical cities e.g. Agra & Jaipur. Woollens are recommended during the conference.

## Food

Delhi population exhibits varied food habits. The Mughlai cuisine has originated from here. A variety of International Cuisine and foods are easily available in the city. Indian

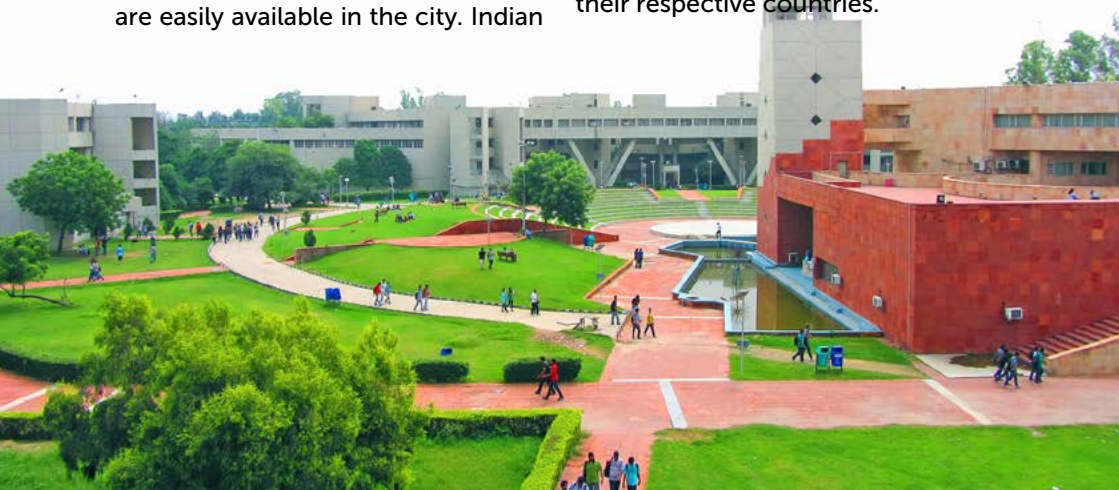
Kebabs, biryanis, and tandoori delicacies are worth to experience.

## Tours

One day technical tour to Industrial Park & Taj Mahal (One of the Seven Wonders of the World) in Agra on 11th January 2018 and visit to research institutions and historical monuments in New Delhi on 12th January 2018 shall be salient features of the conference. The organizing committee shall provide all logistic arrangement to Agra including lunch and dinner for foreign delegates. However, they shall have to purchase entry tickets to Taj and other monuments (US\$15). Similar arrangements shall also be made for the Delhi visit. Major tourist attractions of Delhi are Red Fort, India Gate, Raj Ghat, Jantar Mantar, Jama Masjid, Qutab Minar, Humayun's Tomb, Lotus Temple, Chandni Chowk, Connaught Place, Lodhi Garden and much more. Indian delegates may contact the conference secretariat for the charges for both the tours.

## Visa

Delegates and their accompanied persons who are not Indian citizens will require an Indian visa for visiting India. All delegates are requested to check the visa requirement from the Indian Embassy/High Commission in their respective countries.



## KEYNOTE SPEAKERS

The following speakers have given their consent to deliver key note lectures in the conference. Confirmation from many more is awaited:



**Mr. G. A. Ben Binninger**

CEO & Director, Potash Minerals Ltd., Los Angeles, USA



**Ms. Kelly Hadous**

Founder/CEO, Win The Room, New York, USA



**Prof. Rajiv Dubey**

University of South Florida, USA



**Mr. Stephen Sundarrao**

Associate Director, CARRT, University of South Florida, USA



**Prof. Wolfgang Borutzky**

Bonn-Rhein-Sieg University, Germany



**Prof. Abdennasser Fakri**

ESIEE Paris, France



**Dr. Vinod Kumar Sharma**

Sr. Scientist, ENEA, Italy



**Dr. Tim Fox**

Independent Consultant & Former Head, Energy & Environment, IMechE, UK



**Prof. Fred Kucharski**

International Centre for Theoretical Physics, Italy



**Prof. Sreekanth B Jonnalagadda**

University of KwaZulu-Natal, Durban, South Africa



**Prof. Naoufel Kraiem**

Sultan Qaboos University, Oman



**Prof. Mohammad Pazouki**

Materials and Energy Research Center, Karaj, Iran



**Prof G. D. Najafpour**

Babol Noshirvani University of Technology, Babol, Iran



**Prof. Hideaki Ohgaki**

Kyoto University, Kyoto, Japan

**Dr. Napat Watjanatepin**

Director, Research Institute, Rajamangala University of Technology, Thailand

**Prof. Okay Kaynak**

Bogazici University, Istanbul & Harbin Institute of Technology, China

**Dr. Sudip Chakraborty**

University of Calabria, Italy

**Prof. Sani Dangoggo**

Vice Chancellor, Sokoto State University, Nigeria

**Dr. Hussaini Doko Ibrahim**

Director-General/ Chief Executive Officer, RMRDC, Nigeria

**Patrons****Prof. Yogesh Singh**

VC, DTU

**Padma Shri Dr. Satish Kumar**

Director, NIT Kurukshetra

**Prof. Dinesh Kumar**

VC, YMCAUST

**BANK TRANSFER (NEFT/RTGS)**

**Account Name :** Society for Fusion of Science & Technology  
**Account No :** 036701003563  
**Bank :** ICICI Bank  
**Branch :** Sector 11, Rohini, Delhi  
**IFSC Code :** ICIC0000367  
**Swift Code :** ICICINBBNRI  
**Permanent Account No. :** AAMAS7954G

**Upcoming Important Dates**

Notification of Selection of Full-Length Papers	September 30, 2017
Last Date for Registration of at Least One Author (From an Accepted Full-Length Research Paper)	September 30, 2017
Submission of Full-Length Papers (Camera-ready)	October 15, 2017
Last date of Abstract Submission for Posters	December 10, 2017
Last date of Registration (Poster)	December 15, 2017

**Conference Chair****Prof. Naveen Kumar**

Email: naveenkumardce@gmail.com

Mob.: +91-9891963530

**Conference Co- Chair****Prof. Vikas Rastogi**

Email: rastogivikas@gmail.com

**Conference Secretariat**

Ph : +91-11-65709954

Fax : +91-11-43303380

Mobile/Whatsapp/Viber : +91-8851874573

Skype : nfest2018

Email : nfest2018@gmail.com

Web : <http://www.nfest.org.in>



The sponsorship amount in form of Cheque / Pay Order / Demand Draft favouring "**Society for Fusion of Science & Technology**" and payable at Delhi may please be sent to

**Society for Fusion of Science & Technology**

G-8/220, Sector 16, Rohini, Delhi-110089, India

**Looking forward to welcoming you at NFESt-2018 and thank you for your kind consideration**