



SFST



NFEST 2018

1st

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



SRCEM



Society for Fusion of Science & Technology

The 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 and industry, undertake systematic studies and research in scientific endeavours of national and international importance, have culminated into the Society for Fusion of Science and Technology, and the mission lies in addressing current challenges and promoting newer horizons for science, engineering, and technology for a sustainable future. The society was started in 2015 and has to its credit innumerable achievements in research, teaching, promotion of technology and social welfare. The SFST has the distinction of organizing Vth International Symposium on Fusion of Science & Technology (ISFT-2016) at New Delhi, India from January 18-22, 2016 wherein 18 distinguished International Speakers delivered keynote lectures with around 400 delegates including 100 from 12 countries.

The SFST is committed to:

- **Research-** To conduct and promote inter-disciplinary research to develop new frontiers of technologies; Dissemination of these technologies will be carried over by publishing journals, proceedings, monographs, and memoirs.
- **Profession-** To promote innovation and creativity amongst young professionals to achieve a high degree of proficiency; High standards of professional competence and conduct within various fields of science and technology will be created to facilitate mutual exchange of Science & Technology professionals, collaborations with other organizations etc.
- **Education-** To provide assistance and opportunities to young individuals, desirous and eager to learn inter-disciplinary science and technology, by granting scholarships and providing financial aid to meritorious students in the field of education; to translate, print, publish and circulate appropriate material for distribution of useful knowledge for the advancement of Science & Technology.
- **Fusion-** To envision the fusion of science and technology with art and culture by coupling the plethora of technological innovations with the vibrant cultural heritage of literary & visual arts and material culture endowed on us.

The SFST appreciates the input received from members, and other stakeholders and looks forward to receiving your benign presence at 1st International Conference on New Frontiers in Engineering, Science & Technology (NFEST-2018) from January 8-12, 2018 in New Delhi, India.

About NFEST

The International Conference on New Frontiers in Engineering, Science & Technology (NFEST-2018) is organized by SFST in association with leading academic institutions, industry and R&D establishments. It provides a forum to the best talents in the academia & research institutions, industry experts, management professionals, engineers and executives to collaborate and address the current challenges, to seek new windows for discovery and exploration, and to promote the new horizon of science, engineering & technology for a sustainable future. The conference is aimed to promote synergetic partnership between academia, research institutions, and industry and also to showcase the growth of cutting edge technology developed in recent past.

NFEST-2018 is being held at New Delhi, India during January 8-12, 2018.

The NFEST-2018 shall comprise:

- i. Original research paper/ poster presentations
- ii. Industry-academic interaction
- iii. Networking meetings
- iv. Research and Engineering design fair
- v. Exhibition of SoA technology
- vi. Exhibition of test equipment/ process machinery
- vii. Technical tours
- viii. Art & Culture shows

Technical Tour to Industrial Park & Taj Mahal in Agra and visit to research institutions in New Delhi shall be salient features of the conference.

NFEST invites all creative scientists, engineers, industry professionals, academicians and managers to build new paradigm using improved knowledge, vision and scientific intellect. Your presence shall stimulate the dynamism and vibrancy of NFEST-2018 at New Delhi in January 2018.



VENUE

New Delhi is the capital of the Republic of India, and the seat of executive, legislative and judiciary powers. Historically, Delhi has served as a capital of various kingdoms and empires. The Indians believe it to be the site of Indraprastha, the legendary capital of the Pandavas in the Indian epic - Mahabharata. New Delhi is a truly metropolitan city inhabited by all religions, nationalities, and class of people. It is one of the world's leading global cities, with strengths in the arts, commerce, education, entertainment, fashion, finance, healthcare, media, professional services, research and development, tourism and transport all contributing to its prominence. Delhi is one of the most historic capitals in the world and two of its monuments - the Qutab Minar and the Humayun's Tomb, have been declared as World Heritage Sites. Delhi is also one of the greenest capitals overlooking the Yamuna River and the Northern Ridge. One of the seven wonders of the modern world, the Taj Mahal in Agra (200 km from Delhi), is the greatest monumental tribute to love and affection. A tour of India is never completed without a visit to the visual delight known as Taj Mahal. The Pink City of Jaipur (265 km from Delhi), exuberant with colour, is famous for its magnificent forts and palaces.

Transport System of Delhi

Indira Gandhi International Airport (IGIA), the gateway to Delhi, is the world's second best airport in the largest airport category – passenger capacity of over 40 million passengers per annum – as per Airports Council International (ACI) ASQ 2016 rankings. The whole city is connected by the magnificent Delhi Metro. Moreover, New Delhi is connected to all parts of India through railways and roads.

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. Woolens are recommended during the conference.

Food

Delhi population exhibit 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.

The Organizers

NFEST-2018 is being organized by Society for Fusion of Science & Technology Delhi. The society comprises of academicians, engineers, industrialist and medical professionals from different walks of life. The society has rich experience of bringing together professionals of national and international importance for mutual benefits of researchers and industries.

The conference is a stupendous opportunity to witness the hottest technological innovations coupled with the rich cultural heritage of India.



Swagat ! as we say Welcome

CALL FOR PAPERS

CALL FOR PAPERS

NFEST-2018 invites original research articles from students, academicians and industry professionals in Engineering, Science, Technology, Social Science & Management.

BENEFITS TO AUTHORS

One of the authors of a research paper shall make an oral/poster presentation. NFEST-2018 shall provide a breathtaking opportunity to authors to share their expertise with the worlds' most renowned scientists, leading industrialists and scholars helping them scale new heights and expand their horizon. Authors can take guidance from the best of the best in the field of their interest to further enrich their knowledge.

Certificate of participation and a souvenir will be given to all the authors. Three Prizes each shall be given in oral/poster category for best paper/presentation.

CALL FOR REVIEWERS

NFEST-2018 is also looking for experts, willing to volunteer their time and wisdom to review research papers.

BENEFITS TO REVIEWER

• All reviewers will be awarded a certificate and a souvenir of NFEST-2018.

BENEFITS FOR INDUSTRY

- Industry has a chance to display their products, equipments, test apparatus and SoA knowledge.
- Researchers and Industry professionals can establish a professional consumer relationship with Researchers and leading entrepreneurs.

BENEFITS TO ACADEMIC INSTITUTIONS

- Opportunity for synergetic partnership with industry.
 - Potential of Internship and placement in India and abroad.
 - Promotion of the institution to allure the brightest minds from all across the nation.
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MAIN TOPICS

The topics to be covered during the conference include (but not limited to):

MECHANICAL ENGINEERING

- Manufacturing & Industrial Engineering
- Automation & Robotics
- Thermal Engineering
- Design and Dynamics
- Energy Conversion
- Material and Metallurgy Engineering

CIVIL, ENVIRONMENTAL AND ARCHITECTURAL ENGINEERING

- Construction Materials
- Hydraulic System
- Structural Engineering and Architecture
- Transportation Engineering
- Environmental Engineering
- Geotech Engineering

ELECTRICAL AND ELECTRONICS

- Power System Engineering
- Electrical Machines
- Communication and Signal Processing
- Control System
- Microelectronics
- Internet of Things (IOT)
- Power Electronics & Derives
- VLSI

MANAGEMENT

- Industrial Economics
- Education and Pedagogical Science
- Marketing Management
- Finance and Accounting
- Environmental and Waste Management
- Human Resource Management and Behavioral Science

COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

- Cloud Computing
- Big Data Analysis
- Image Processing and Pattern Recognition
- Artificial Intelligence
- Computer Modeling and data mining
- Mobile Computing and Application
- Cyber Security and Software Engineering
- Bio-Inspired Techniques

SCIENCE AND TECHNOLOGY

- Bio Informatics
- Bio Engineering, Life Sciences and Applied Sciences
- Fiber Optics
- Astrophysics
- Chemical Engineering and Polymer Science
- Molecular Science
- Mathematical Computation
- Nuclear and Quantum Engineering

MOREOVER, THE OTHER BROAD AREAS ARE AS FOLLOWS:

- Aerospace Engineering
- Agriculture and Biosystem Engineering
- Fashion and Textile Engineering
- Health and Medical Engineering
- Corporate Law
- Food Technology
- Physical Science
- Optimization Techniques

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.



SPONSORSHIP

Dear Friends,

Society for Fusion of Science and Technology (SFST) requests sponsorship and financial support for 1st International Conference on New Frontiers in Engineering, Science & Technology (NFEST-2018) being held on January 8-12, 2018 in New Delhi. NFEST-2018 is expected to be attended by over 1000 Scientists, Entrepreneurs, Engineers, Creative writers, artists, agri & legal-professionals and Leading Industrialists from about 15 countries. The Conference Sponsors will have a unique opportunity to strengthen their visibility and product awareness. As a sponsor of the "NFEST-2018 ", you will have the opportunity to earn tangible benefits that develops networks, generate leads and gives you the platform to position your organization in front of a wide range of professionals.

Sponsorship packages are designed as per corporate/ individual strategies. One can opt for any of the following sponsorship packages:

PLATINUM SPONSORSHIP

₹ 10,00,000 (1 Nos)

- Keynote speaker in one of the sessions of the conference
- Recognition on all Press Releases
- Company logo and link on the Conference Website
- Acknowledgment during the Inaugural Ceremony
- Colour advertisement of the sponsor/ product on the front page of the Conference Souvenir
- Company's name and logo printed on the Conference Proceedings, Posters, and Signage
- Company's brochure and demo CD to be included in Conference Kit
- Five complimentary registrations
- One double exhibit space

GOLD SPONSORSHIP

₹ 700,000 (2 Nos)

- Keynote speaker in one of the sessions of the Conference
- Recognition on all Press Releases
- Company logo and link on the Conference Website
- Acknowledgment during the Inaugural Ceremony
- Colour advertisement of the sponsor/ product in the Conference Souvenir
- Company's name and logo printed on the Conference Proceedings, Posters, and Signage
- Three complimentary registrations
- One exhibit space

SILVER SPONSORSHIP

₹ 500,000 (3 Nos)

- Company logo and link on the Conference Website
- Acknowledgment during the Inaugural Ceremony
- Colour advertisement of the sponsor/ product in the Conference Souvenir
- Company's name and logo printed on the Conference Proceedings, Posters, and Signage
- Two complimentary registration
- One exhibit space

BRONZE SPONSORSHIP

₹ 300,000 (5 Nos)

- Company logo and link on the Conference Website
- Colour advertisement of the sponsor/ product in the Conference Souvenir
- Company's name and logo printed on the Conference Signage
- Display of Company Banner within the Lunch Area
- One complimentary registration

DINNER SPONSORSHIP**₹ 200,000 (2 Nos)**

- Company logo and link on the Conference Website
- Colour advertisement of the sponsor/ product in the Conference Souvenir
- Special talk / Presentation of 15 minutes before the dinner
- Company's name and logo printed on the Conference Signage
- Display of Company Banner within the Dinner Area
- One complimentary registration

ALLIED SPONSORSHIPS**Conference Kit Sponsorship : ₹ 150,000**

(Benefit: Sponsor's Logo along with Organizer's Logo will be placed on the bag)

Banner & Poster Sponsorship : ₹ 50,000

(Benefit: Conference Banners and Posters contain the Sponsor's logo. These will be placed at the Conference Venue and publicised across Colleges and Universities.)

EXHIBITION STALLS**Exhibition Stall (2m x 2m) : ₹ 60,000****Conference Bag Inserts : ₹ 10,000**

The inserts to be provided by the company

Conference Souvenir

Advertisement Size and Location	RATE (₹)
Back Cover Page (Colour)	50,000
Inner Cover Page (Front or Back) (Colour)	40,000
Full Page (Colour)	30,000
Full Page (B & W)	20,000
Half Page (Color)	15,000
Half Page (B & W)	12,000

Note: For coloured advertisements, artwork in CD with printout of the same should be provided by the advertiser only.

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 the Registered office of the society. The NEFT-RTGS could also be made to the society bank account.



The full-length research articles may be submitted online through Easy Chair at <https://goo.gl/scaZLP>. Please download the Guidelines to Authors (<https://goo.gl/5VsTjv>) and guidelines for using easy chair (<https://goo.gl/sp7gdb>). The manuscript should be as per the conference template (Please download it from <https://goo.gl/kCjbs0>). The authors shall receive the Paper Id after the submission which should be quoted by them in any further correspondence. The papers submitted to the NFESt-2018 should not have been presented/ published in any other journal or conference.

All research paper will be peer reviewed and evaluated based on originality, technical and/or research content/depth, correctness, relevance to conference, contributions, and readability. For any query regarding submission of the manuscript, you may visit www.nfest.org.in or kindly contact at nfest2018@gmail.com

IMPORTANT DATES

Last date of Submission of Full-Length Papers : Aug. 31, 2017
 Notification of selection of Full-Length Papers : Sept. 30, 2017
 Submission of Full length Papers (Camera-ready) : Oct. 15, 2017

REGISTRATION AMOUNT

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 COVER

All Registered Delegates: Access to all Sessions; Welcome Reception & Opening Ceremony; Refreshments during the 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



Organized by

Society for Fusion of Science & Technology

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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

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