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## First Circular



# INTEGRAL UNIVERSITY

International Seminar

on

## Present Scenario & Future Prospectives of Research in Engineering and Sciences (ISPSFPRES-17)

**Date: January 21, 2017**

**Organized by**

Departments of Electronics & Communication  
Engineering, Physics & Electrical Engineering

**Integral University**

Dasauli, Kursi Road

Lucknow-226026 (U.P.), India

Website: [www.iul.ac.in](http://www.iul.ac.in)

**Technically sponsored by**



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Email: [ispsfpres17@gmail.com](mailto:ispsfpres17@gmail.com)

## About Integral University

Integral University is a NAAC accredited state private university established in 2004 and approved by UGC under section 2(f) and 12(B) of UGC act 1956. It has established its own credentials and singular reputation within a very short span of time. It has marvelous ambience and academically, lively and vibrant environment, highly conducive to higher and dedicated academic pursuits. The university is committed to generating, disseminating, and preserving knowledge. Our academic programs like engineering, medicine, science, arts, architecture and management equip students with the academic rigor and intellectual capacity to meet the corporate business challenges.

## About Lucknow

Lucknow has been known as the city of Tehzeeb, Culture, Art, Literature and Food. In past few decades, city is also being known as science and education hub. Some of the major attractions of Lucknow include Bara Imambara, Residency, Chattar Manzil, Rumi Darwaza, Clock Tower, Moti Mahal, Hussainabad Imambara and many others. Lucknow is connected with major cities through flights, trains and buses.

## Scope of Seminar & Paper Submission

The aim of this seminar is to create an opportunity for participants to discuss the Present scenario & Future prospectives in the field of research in Engineering and Sciences.

Participants intending to present papers in the seminar should submit abstract not exceeding 200 words to the [ispsfpres17@gmail.com](mailto:ispsfpres17@gmail.com) by January 16, 2017. The abstract should clearly state the title of the paper and the name(s) of the author(s) with full address for correspondence. The presenting author

should be clearly mentioned. The abstract must be emailed in MS word after filling up the details for registration. The abstract number is to be noted down for the payment of registration fee (after the abstract is accepted for presentation) and future correspondence. The manuscript of the full paper not exceeding 8 pages including figures and tables is to be submitted to the organizing secretary in soft copy ( as MS word with 1.5 spacing, font times new roman, font size 12, paper A4, single column, margin 2” left, 1” right, 2” top and 1” bottom, for title font size 14 bold all caps). The mail id for receipt of abstract/full length paper & any queries is [ispsfpres17@gmail.com](mailto:ispsfpres17@gmail.com). Presented papers will be published as seminar proceedings after peer review.

To encourage **Young Scientists** the ISPSFPRES-17 has instituted a number of awards in different disciplines. These awards carry a Certificate of Merit. Application along with full length paper is invited for the same from registered candidates of the seminar who have paid their registration fee on or before January 16, 2017. The upper age limit of the candidates for the award is 35 years as reckoned on **December 31, 2016**.

The **disciplines/topics** of interest include but are not limited to:

Aerospace Engineering  
Agricultural Engineering  
Biological Sciences  
Biomedical Engineering  
Chemical Sciences  
Civil Engineering  
Computer Engineering  
Electrical Engineering  
Electronics Engineering  
Energy Engineering  
Environmental Engineering  
Food Engineering  
Geological Sciences  
Industrial Engineering

Materials Engineering  
Mathematical Sciences  
Mechanical Engineering  
Medical Sciences  
Nano Engineering  
Nuclear Engineering  
Petroleum Engineering  
Pharmaceutical Sciences  
Physical Sciences  
Power Engineering  
Veterinary Sciences  
Web Engineering

Interested candidates should register either through online or offline mode. For online mode, registration fee may be deposited through NEFT.

**Details of the bank are:**

**A/C Holder:** IEEE Student Chapter IU Lucknow

**Account No.** 4786000100013095

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**Google Form Link:**

<https://goo.gl/forms/xteS0rAUGsMtS5Ww2>

Participant Type	Members*		Non- Members	
	Early Bird Registration On or Before January 10, 2017	After January 10, 2017	Early Bird Registration On or Before January 10, 2017	After January 10, 2017
Corporate Members	800	1000	1000	1200
Academia	500	600	600	700
Research Scholar	300	400	400	500
Students (UG/PG)	200	300	300	400

\* (Members of any professional Society IEEE, ISTE, CSI, LSFI, MRSI, IAPT, IPA, ICS, ISCB, NSA, ISCA, NSA, IETE, IE)

**Last date for Paper submission**      **January 16, 2017**

**Notification of Acceptance**      **January 18, 2017**

**Last Date for Registration**      **January 20, 2017**



**INTEGRAL UNIVERSITY, LUCKNOW**  
**Department of Electronics & Communication Engineering,**  
**Physics & Electrical Engineering**

**INTERNATIONAL SEMINAR**

on

**"PRESENT SCENARIO & FUTURE PROSPECTIVES OF RESEARCH IN ENGINEERING & SCIENCES"**

**ISPSFPRES-17**

**January 21, 2017**

**PROGRAMME SCHEDULE**

**Venue:** Central Auditorium, Integral University, Lucknow

08:30 to 09:30 AM      Registration

**Minute to Minute Program**

**INAUGURAL SESSION (09:30 TO 10:30 AM)**

09:30 to 09:35 AM	Bouquet Presentation
09:35 to 09:40 AM	Welcome address by Convener ISPSFPRES-17 & Head ECE, Integral University
09:40 to 09:45 AM	Address by Dean (Research & Development), Integral University
09:45 to 09:55 AM	Address by Guest of Honor <i>Mr. Rashid Siddiqui, Qatar</i>
09:55 to 10:05 AM	Address by Chief Guest <i>Hon'ble Vice-Chancellor Prof. S.W.Akhtar</i>
10:05 to 10:10 AM	Memento Presentation
10:10 to 10:15 AM	Vote of Thanks by Convener ISPSFPRES-17 & Head EE, Integral University
10:15 to 10:30 AM	High Tea

**PLENARY SESSION (10:30 to 03:30 PM)**

10:30 to 11:15 AM	Invited Lecture-1 by Mr. Rashid Siddiqui, Qatar
11:15 to 12:00 PM	Invited Lecture-2 by Dr. Satish Kumar Singh, IIIT, Allahabad
12:00 to 12:45 AM	Invited Lecture-3 by Dr. Manoj Kr. Singh, University of Aveiro, Portugal
12:45 to 01:30 AM	Invited Lecture-4 by Dr. Deepam Maurya, Virginia Tech, Blacksburg, USA
01:30 to 02:15 PM	Refreshment Break
02:15 to 03:30 PM	Technical Session – I to III
03:30 to 03:45 PM	Brief Report of ISPSFPRES-17 & Vote of Thanks by Organizing Secretary

## Technical Session (02:15 to 03:30 PM)

Technical Session-I Venue: Auditorium ( Hall-1), Academic Block-I			Technical Session-II Auditorium ( Hall-2), Academic Block-I			Technical Session-III Venue: Auditorium ( Hall-3), Academic Block-I		
Session Chair: Dr. Isht Vibhu, Y D PG College ,Lakhimpur Kheri			Session Chair: Dr. Prakash Dubey, Janta PG College, Etawah			Session Chair: Dr. Mahendra Agnihotri, Lucknow University, Lucknow		
Co-Chair: Dr. Asif Jamil Ansari, Integral University, Lucknow			Co-Chair: Dr. Puneet Mishra, Lucknow University, Lucknow			Co-Chair: Dr. S.P.Singh, AIAS, Amity University, Noida		
Paper ID	Title	Authors	Paper ID	Title	Authors	Paper ID	Title	Authors
1	To study metal Tolerance of yeast strains from industrial waste water	Prakash dubey	17	MATLAB-Based Modelling of PV Array to Study the Effects of Partial Shading	Md Sarwar Ali	33	Experimental and Theoretical Studies of H-Bond Network in a Co-Crystal of Nitrofurantoin	Anuradha Shukla
2	Study of a New Test Paper for Approximate Estimation of Phenolic Substances	Prakash Dubey	18	An Innovative Pedagogical Approach for Enhancement of Learning Skills in Higher Education Suiting To Proper Industry Institute Interface	Hamza Siddiqui	34	Equivalence Between Supersaturation Ratio And The External Electric Field During Water Vapour Condensation	Anurag Kumar
3	Corrosion Performance of Materials used in Handling Paper Machine white Water	G. Singh	19	An Introduction on Artificial Intelligence & Its Challenges	Jagannath Dixit	35	Dynamical behavior of quantum dots (QDs) dispersed in nematic liquid crystal	Pankaj Kumar Tripathi
4	Synthesis and Optical and Electrical properties of Graphene oxide Suresh Sagadevan	Suresh Sagadevan	20	Potential anti-osteoporotic effect of apigenin induces osteoblast formation and inhibits osteoclast differentiation	Sahabjada Siddiqui	36	Experimental and quantum chemical studies on the structure and vibrational spectra of a neoflavanoid: Cearoin	S.Rao
5	Fuzzy Logic Based Constant Voltage Mppt For Solar Pv Systems	Supriya Kumari	21	Green Synthesis of Iron-Oxide Nanoparticles Using Aloe vera Aqueous Extract	Dr. Mohd Azhar Khan	37	Piperine Induces Apoptosis Human Osteosarcoma,Mg-63 Cells Through Ros Generation, Mmp Reduction And Nucler Condensation	AsifJafri
6	Smog and Your Health	K.K.Singh	22	Harnessing Nanotechnology for the Enhancement of Fuel Alcohol	Azra Begam Afridi	38	Electrical And Spectroscopic Study Of Pure And Ni Doped Alkali Titanates $K_2Ti_6-xNi_xO_{13}$	Navshad Alam
7	Electrical Transport in Mesoscopic Pyrochlore Iridates	Abhishek Juyal	23	Human Saliva as a Diagnostic Medium for Oral Cancer Detection by Fluorescence	Pavan Kumar	39	Dynamical Behavior Of Quantum Dots (Qds) Dispersed In Nematic Liquid Crystal	Pankaj Kumar Tripathi
8	Multiferroicity at nanoscale in self assembled arrays of mixed valence manganites	Vinay Kumar Shukla	24	Hamming Window are used in the Prognostic of Insomnia Medical Sleep syndrome	Md Belal Bin Heyat	40	Analysis Of Tunable Photonic Band Structure In Extrinsic Plasma Photonic Crystal	Prabal P Singh <sup>a</sup> , Khem B Thapa <sup>c</sup>
9	Modeling the effect of primary and secondary toxicants on a biological species in case of deformity in a subclass of species	Anuj Kumar Agarwal	25	Sewage Treatment Coach for Indian Railways	Syed Danish Ali	41	Fabrication And Study Of Mechanical Properties Of Polypropylene Based Composite Developed By Biowaste Material	SYED MAZHER ABBAS RIZVI
10	Optimization of Clock Period and Area of IIRFilter Using Retiming Technique	Ankita Bharti	26	Molecular structure and vibrational spectroscopic analysis of caffeine-citric acid cocrystal – A combined experimental and quantum chemical approach	Priya Verma	42	A REVIEW ON KEY DISTRIBUTION PROTOCOLS TO ACHIEVE SECURE SECRET KEY DISTRIBUTION AND MUTUAL AUTHENTICATION	Rahila Khan
11	Generation of Electricity Through Speed Breakers	Ankita Bharti	27	A Review of Present scenario and Future prospects on Hybrid Renewable Energy generation	Sabiha Ahmad	43	SOLAR PANEL ROOFTOP IN INDIA	RameeshaFazal
12	Automatic Water Level Indicator	Ankita Bharti	28	Experimental (IR and Raman), and theoretical investigation of the Ampicillin	Eram Khan	44	Acoustical and Rheological Study of Poly (Ethylene Glycol) Butyl Ether (PEGBE) 206 with Alcohols- An Experimental and Computational Study	Ajaz Hussain
13	The Future of Nanotechnology	Dr. Mamta Rani Kaushik	29	Spectroscopic and quantum chemical approach used to study the structure of Paracetamol-oxalic acid cocrystal	Karnica Srivastava	45	Nanotechnology for Smart Civil Engineering	Md Nehad Nazim
14	Cost Based Allocation of Tasks in a Distributed Network	Sarvesh Kumar Dubey	30	A Spectroscopic and Computational study on molecular structure and chemical activity of Febuxostat using vibrational spectroscopy and DFT Approach	Jaya Pandey	46	SYNTHESIS OF CdTe QUANTUM DOTS AND CYTOTOXIC EFFECT IN PROSTATE CARCINOMA CELLS	Aditya Kumar Jigyasu
15	Medical Aspects and Role of Van der Waals forces	U C Srivastava	31	A Combined study on Molecular Structure, Chemical activity of Ezetimibe L-proline cocrystal using DFT approach	Preeti Prajapati	47	Thermoacoustical Analysis of Binary Mixtures Oo Acetonitrile With 2- Ethoxyethanol and 2-Butoxyethanol at Varying Temperatures	Laxmi Kumari
16	Design of 2.4GHz CMOS LNA for Bluetooth Application	Ankita Bharti	32	Influence of ZNO:FE Thin Film Grown Using Spray Pyrolysis	S.Vasudevan	48	The Effect of Surfactant on a Non-Newtonian Fluid Sphere	Shweta Raturi
						49	IOT and its Application	Ruchi Gupta

# **REPORT**

## **INTERNATIONAL SEMINAR**

### **“Present Scenario & Future Prospectives of Research in Engineering & Sciences”**

#### **ISPSFPRES-17**

**Organized on January 21, 2017 at Integral University, Lucknow**

The International Seminar titled “**Present Scenario & Future Prospectives of Research in Engineering & Sciences**” was organized by the Department of Electronics and Communication, Physics & Electrical Engineering on **January 21, 2017** at Integral University, Lucknow. This was a one day International Seminar and was technically/financially supported by **IEEE UP Section, WIE IEEE Affinity Group, SEEM and ISTE**. The Seminar was well attended by eminent academicians, faculty members & students from various Universities and educational institutions from different parts of the country & representatives of government bodies and industries.

The Seminar started with the welcome address by **Prof. S. Hasan Saeed**, Convener ISPSFPRES-17, and HoD ECE, wherein he briefed about Integral University and achievements of Integral University in the fields of research & technology.

Chief Guest, Hon’ble Vice-Chancellor Prof. S.W. Akhtar addressed the audience. The Seminar Souvenir was released by Hon’ble Vice Chancellor and all the dignitaries on the dice.

The Plenary Session started with the Invited Talk by eminent speakers **Mr. Rashid Siddiqui, General Electricity and Water Corporation LTD. A Government organization, State of Qatar & Dr. Manoj Kr. Singh Department of Physics, University Aveiro, Portugal & Dr. Deepam Maurya, Virginia Tech, Blacksburg, USA.**

**Mr. Rashid Siddiqui** discussed in his Talk The execution phase of industrial projects such as oil and gas projects consists of detailed engineering, procurement and construction, normally known as EPC and starts after final investment decision by the owners.

**Dr. Syed Naseem Ahmad** delivered the concept and idea on the Graphene and other 2D materials exhibit superior mechanical, electrical, optical properties. In this perspective current talk will be focused on the current development and surface engineering/electronic properties of graphene by CVD method on Cu, Pt, Ni and SiO<sub>2</sub>/Si substrates in normal and UHV condition.

Three parallel tracks were held in which a total of 50 papers were presented. The presentation were reviewed by panel of session chairs **Dr. N.R.Kidwai, Dean JIT, Barabanki, Dr. Isht Vibhu, HoD, Physics YDPG College, Lakhimpur, Dr. Puneet Mishra, Deptt. Of Computer Science, Lucknow University, Lucknow, Dr. Mahendra Agnihotri, Deptt. of Physics, Lucknow University, Lucknow, Dr. Paraksh Dubey, Janta PG College, Etawah.** The authors were queried both by the experts as well as the audience. Sessions best papers were selected by the session chairs. A few participants who gave their feedback on the Seminar praised the department for hosting its first ever International Seminar in such an impeccable manner and said that they were overwhelmed by the hospitality offered by the organizers.

On behalf of the departments of ECE, EE & Physics, **Mr. Imran Ullah Khan, Branch Counselor IEEE STUDENT CHAPTER,**Integral University, Lucknow delivered Vote of thanks. He thanked all the sponsors, advertisers, delegates, representatives from the media and the faculty and student for their magnanimous support and assured that university will organize more such activities in the future. That concludes a remarkable, memorable, knowledgeable Seminar ISPSFPRES-17.

After the vote of thanks, high tea was served and the Seminar came to an end, leaving fond memories in the minds of the guests and delegates and great sense of satisfaction and accomplishment in all members of the faculty and staff and student volunteers who were associated with its preparation and organization over a period of one month.



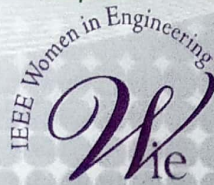


Departments of Electronics & Communication Engineering,  
Physics & Electrical Engineering  
in collaboration with



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Branch Code : STB17471  
School Code : 60027114

WIE- Affinity Group & IEEE Student Chapter, Integral University, Lucknow



# Certificate

## ISPSFPRES-17

SAMPLE COPY



This is to certify that Prof./Dr./Mr./Ms. \_\_\_\_\_  
\_\_\_\_\_ has presented a  
Research Paper on \_\_\_\_\_  
in the International Seminar on "Present Scenario & Future Prospectives  
of Research in Engineering & Sciences (ISPSFPRES-17)" held on January 21, 2017  
at Integral University Lucknow, India.

Prof. S. Hasan Saeed  
Convener

Mr. I.U. Khan  
Organizing Secretary

Dr. M. Alam  
Convener

Dr. V. S. Chandel  
Convener