

Programme Schedule

SPEEDS-2018

24th & 25th November, 2018

Inaugural Session

(November 24, 2018)

08:30 A.M.	Registration
09:30 A.M.	Tea
10:00 A.M.	Lighting of the Ceremonial Lamp & Goddess Saraswati Vandana
10:05 A.M.	Welcome Address by Prof. (Dr.) Manoj Mehrotra, Seminar Chair& Director, SMS
10:10 A.M.	Address by Chief Guest Dr. Rajendra Singh, Water Conservationist & Environmentalist, India
10:50 A.M.	Address by Er. R. K. Trivedi, Chairman, IE (I), UP State Centre
11:00 AM	Address by Prof. (Dr.) Bharat Raj Singh, Seminar Co-Chair & DG (T), SMS
11:10 A.M.	About the Seminar by Mr. Adhir Tandon, Seminar Convener
11:20 A.M.	Keynote Address by Dr. C. M. Nautiyal, Former Sr. Scientist, Birbal Sahni Institute of Palaeobotany, Lucknow
11:40 A.M.	Address by Guest of Honour: Prof. (Dr.) D. P. Singh, Department of Environmental Science, BBAU, Lucknow
12:00 P.M.	Unveiling of Souvenir & Presentation of Mementos
12.10 P.M.	Vote of Thanks by Dr. Prashant Kumar Gangwar, Seminar Organizing Secretary
12.20 P.M.	National Anthem

PRESENTATION SCHEDULE SPEEDS- 2018

Day 1: November 24, 2018

Plenary Session-1 Multipurpose Hall

Invited Speakers	–12:30 PM to 01:30 PM
Lunch	–1:30 PM to 02:30 PM

Post –Lunch Technical Sessions

(A) Technical Session –I (Multipurpose Hall)	–2:30 PM to 03:30 PM
Technical Session –II (Lecture Theatre-1)	–2:30 PM to 03:30 PM
Technical Session –III (Lecture Theatre-2)	–2:30 PM to 03:30 PM
Tea Break	–3:30 PM to 04:00 PM

Post- Tea Technical Sessions

(B) Technical Session –IV (Multipurpose Hall)	–4:00 PM to 05:30 PM
Technical Session –V (Lecture Theatre-I)	–4:00 PM to 05:30 PM
Technical Session –VI (Lecture Theatre-II)	–4:00 PM to 05:30 PM

Day 2: November 25, 2018

Plenary Session-2 Multipurpose Hall

Invited Speakers	–10:30 AM to 11:15 AM
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Pre - Lunch Technical Sessions

(A) Technical Session –VII (Multipurpose Hall)	–11:30 AM to 01:30 PM
Technical Session –VIII (Lecture Theatre-1)	–11:30 AM to 01:30 PM
Technical Session – IX (Lecture Theatre-2)	–11:30 AM to 01:30 PM
Lunch	–01:30 PM to 02:30 PM
Valedictory Session	–02:30 PM to 03:30 PM

**PRESENTATION SCHEDULE SPEEDS-2018
(Day 1: November 24, 2018)**

**Plenary Session-1
Multipurpose Hall
(Time: 12:46 PM to 1:30 PM)**

12:46 PM to 01:00 PM- Dr. Jaswant Singh, Principal Scientist & Ex-Director, IISR, Lucknow

01:00 PM to 01:15 PM- Dr. Suresh C. Bajpai, Director, Futuris Energy Pvt. Ltd.

01:15 PM to 01:30 PM- Dr. P. K. Bharti, Head-MED, Integral University, Lucknow

**Technical Sessions
Multipurpose Hall, LT – 1 & LT – 2**

- (A) Technical Session –I (Multipurpose Hall)
Technical Session –II (Lecture Theatre-1)
Technical Session –III (Lecture Theatre-2)

Time: 2:30 PM to 3:30 PM	Technical Session-I	Session Chair (Multipurpose Hall)	Technical Session-II	Session Chair (Lecture Theatre-1)	Technical Session-III	Session Chair (Lecture Theatre-2)
1.0 Green Coverage Issues; 3.0 Renewable energy resources	T1.1	Fabrication and Characterization of Perovskite Solar cell - Amrit Kumar Mishra & Rajesh Kumar Shukla	T3.2	Renewable Energy Scenario: In India - Dheeraj Kumar, Anoop Kumar Singh, Aakash Tiwari	T3.12	Analysis and design criteria of zero energy buildings - Nuzhat Parveen, Uroj Shameem and Smita Singh
	T1.2	Plastic Decomposition through Nature Bacterial Decomposition of Plastic - Anjali Kumari, Manju Ashish Buddhaghosh	T3.3	Novel solar-assisted Fuel-driven power system - Manoj Kumar Singh, Sanjeev Mishra, Prashant Pandey, Durgesh Kumar Tripathi, Anjali Maurya	T3.13	Performance of P&O MPPT assisted Hybrid PV/battery System for Variable Load - Abhishek Awasthi, Anurag Singh Yadav, Imran Khan
	T1.3	Impact of natural disasters on agriculture-Riya Shrivastava, Jyoti Prakash	T3.4	Nano-structured copper ferrites as humidity sensor - Richa Srivastava	T3.14	Review of Solar Automated Sewage Cleaner - Mr. Mohd. Hamja Khan, Mr. Vinod Kumar Singh, Mr. Rahul Kumar Singh, Mr. Sandeep Yadav, Mr. Santosh Kumar Chaudhary
	T1.4	Advance study Carbon nanotube in Technology of sciences in presence of Directional Magnetic Fields – Daya Shanker, Niharika Chandra, Utkarsh Kumar Sharma, K.K Saxena, P K Singh	T3.5	Reducing the costs of dish/stirling systems in India - Manoj kumar singh, Sanjeev mishra, Prashant pandey, Durgesh kumar tripathi, Vishank shekhar singh	T3.15	A Hybrid solar air conditioner and analysis of performance based on energy audit principle - Ms. Ashna Singh, Mr. Ankit Dixit, Mr. Aman Mishra, Mr. Mayank Mishra, Mr. Deepak Vishwakarma

	T1.5	Start-ups with Green Innovation - Adhir Tandon	T3.6	Finite element based vibration and stability analysis of rotating shaft under thermal environment - Durgesh Kumar Tripathi and Shiv Kumar Tripathi	T3.16	Modelling & simulation of Stand-alone photo-voltaic system with perturb & observe MPPT - Vikas Raghuvanshi, Ashutosh Srivastava, Santosh Kumar Singh
	T1.6	Optimization and Design Analysis of Manual Rice Transplanter - Chandan Kumar, Akhand Pratap Singh, Abhay Pratap Singh, Amit Kumar, Amit Yadav, Deepak Patel	T3.7	Modification of UHPC using industrial waste and other types of mineral admixtures with the help of steel fiber - Vishavjeet and Neelesh Kumar Singh	T3.17	RER Based Hybrid Technology for power Generation System: Pollution Free from GHG - Santosh Kumar Suman, Aishvarya Narain, Swati Maurya
	T1.7	INVITED DISASTER - Ashok Kumar Jain	T3.8	Analysis of Boost Converter based Solar Photovoltaic System - Priyanshu Kumar Singh, Deependra Bahadur Maurya, Santosh Kumar Singh and Anurag Singh Yadav	T3.18	Power enhancement of PV arrays at progressively shading conditions - Neha Mishra, Anurag Singh Yadav, Imran Khan
	T1.8	Contribution of Advanced Machining towards Green Manufacturing - Dr. Avanish Kumar Dubey	T3.9	Optical Studies of multi walled carbon nanotubes - Nitin Dwivedi, K. C. Dubey and R.K.Shukla	T3.19	Issues and Challenges in Smart Grid - Rajan kumar, L.B. Prasad
	T3.1	Solar Energy Technologies: A Look on Entrepreneurship Opportunities - Prof Usha Bajpai	T3.10	Restoring Natural River Flows, Through Optimal Ground Water Recharge & Improved Drainage - Thakur Das Daryana	T3.20	Solar Powered Air Purifier - Mr. Rohit Kumar Tiwari, Mr. Saurabh Pandey, Mr. Vishal Singh, Mr. Tusharkant Rai, Swati Dwivedi
			T3.11	Synthesis and characterization of Carbon Nanotubes and its applications - R.K. Shukla	T3.21	Solar Tracking System - Vipin Vishwakarma, Brijesh Kumar Umar

(Day 1: November 24, 2018)
Post Tea Technical Sessions
Multipurpose Hall, LT – 1 & LT – 2

- (B) Technical Session –IV (Multipurpose Hall)
 Technical Session –V (Lecture Theatre-1)
 Technical Session –VI (Lecture Theatre-2)

Time: 4:00 PM to 5:30 PM	Technical Session-IV	Session Chair (Multipurpose Hall)	Technical Session-V	Session Chair (Lecture Theatre-1)	Technical Session-VI	Session Chair (Lecture Theatre-2)
2.0 Potential of Natural Energy; 4.0 Climate Changes / Glacier Melting / Sea-Level Rising; 6.0 Environmental Issues	T2.1	Design And Manufacturing Using Web Service - Sanjeev Mishra & Rajat Upadhyaya	T4.6	Impact Of Climate Change On Biodiversity And Its Future Scenario – Dr. Pradeep Kumar Sharma	T6.10	Thermal Pollution: A Cause of Global Warming - Anoop Kumar Singh, Dheeraj Kumar, Amit Thakur
	T2.2	Modeling the Effects of Mitigation options to Control Methane Emissions from Rice Paddies and Livestock Populations to Reduce Global Warming - Shyam Sundar & Ashish Kumar Mishra	T6.1	ZnO nano-microstructures and their Photoconducting Properties Synthesized by Sol-Gel Method - U.K. Tripathi, Saurabh Dixit, K.C. Dubey R.K. Shukla and Sheo K. Mishra	T6.11	Green information system- Introduction and Implementation - Adhir Tandon, Vipin Kumar, Alok Kumar
	T2.3	Studies on Different forms of Sulphur in Alluvial Soil - Anupam Pandey Shri Prakash Mishra & Manish Srivastava	T6.2	Internal heating and Soret effects on double diffusive convection in a couple stress fluid saturated rotating anisotropic porous layer - Ajay Singh, Dr. Prashant Kumar Gangwar	T6.12	Medical Waste Management and Control - Mohd. Aquib & Uroj Shameem
	T2.4	Underwater Wind Mill as Potential Energy - Rishabh Mishra, Shobhit & Smita Singh	T6.3	A brief overview about Alzheimer's disease and its risk factors - Ritu Singh, Sandeep Kumar Singh	T6.13	Study of various causes of air pollution in Delhi NCR Region and its Solution - Gyanendra Kumar Yadav, Gaurav Ojha, Pankaj Kumar Yadav, Pankaj Kumar Rawat
	T2.5	Significance of Solar-Biomass Hybrid System For Bundelkhand Region - Gaurav Srivastava, Dr. Sudeep Yadav, Ravi Pratap Singh	T6.4	Plastic Waste as a - Soil Stabilizer - Ajay kumar Verma, Kumar Saurabh Tiwari & Smita Singh	T6.14	Municipal Solid Waste Management In India - Uroj Shameem & Mohd. Aquib
	T4.1	Current Global Scenario of Glacier & Ice Melting and Its Impact - Prof. Bharat Raj Singh, Amarjyoti Singh and Prof. Amar Bahadur Singh	T6.5	Forced Vibration of One Two And Multi Degree of Freedom Systems For Comfort Ride On Vehicle Using Bond Graph - Manoj Kumar Singh & Prof. (Dr.) Bharat Raj Singh	T6.15	Role of Air Pollution In Climate Change - Mr. Shivam Mishra, Mr. Ravi mishra, Mr. Bageshwer Mishra
	T4.2	Effects of Climatic Disturbances Blue Economy of India - Ashok Sengupta	T6.6	Growth, Pollution and Environment - Rachana Kumari	T6.16	Green IT Concept - Vishal Yadav & Harsh Dubey

	T4.3	Global Scenario of Climate Change and its Impact on Humanities - Prof. Bharat Raj Singh and Prof. Onkar Singh	T6.7	Use of Remote Sensing and GIS data in forestry and its Management - Syed Rafi Ahmed, Ankit Gupta, Dr.Sudakar Shukla, Dr.Anil Kumar	T6.17	Impact of Hazardous Waste On Environment And Human Health - Salil Chaturvedi, Marisha Rai & Rachna Chaturvedi
	T4.4	Impact Assessment of Global Warming On Hydrological Response of Snow And Glacier Melt - Ekta Roy, Pushpraj Singh & Nuzhat Parveen	T6.8	Comparative Analysis of different models of Electric Arc Furnace - Amarjeet Singh	T6.18	Distributed Energy: Transforming Lives in Rural India - Dr Suresh C Bajpai
	T4.5	A New Study Finds Sea Level Rise Accelerating - Prof. Bharat Raj Singh, Prof. Dharmendra Singh and Prof. P.K. Singh	T6.9	Green Computing: an emerging eco friendly computing and its' issues in IT - Hemant Kumar Singh	T6.19	India's Water Management Challenges in the New Millennium: Need for Efficient and Sustainable Strategies - Venkatesh Dutta

24th November 2018

1:30 PM - 2:30PM	Lunch
3:30 PM - 4:00 PM	High Tea

(Day 2: November 25, 2018)

Plenary Session-2

Multipurpose Hall

(Time: 10:30 AM to 11:15 AM)

10:30 AM to 10:45 AM- Dr. Niraj Gupta, Dean & Professor, SRM University, Lucknow

10:45 AM to 11:00 AM- Dr. Usha Bajpai, Coordinator, Renewable Energy, LU

11:00 AM to 11:15 AM- Dr. Suresh C. Bajpai, Director, Futuris Energy Pvt. Ltd.

(Day 2: November 25, 2018)

Pre Lunch Technical Sessions

Multipurpose Hall, LT – 1 & LT – 2

(A) Technical Session –VII (Multipurpose Hall)

Technical Session –VIII (Lecture Theatre-1)

Technical Session – IX (Lecture Theatre-2)

Time: 11:30 AM to 1:30 PM	Technical Session-VII	Session Chair (Multipurpose Hall)	Technical Session-VIII	Session Chair (Lecture Theatre-1)	Technical Session-IX	Session Chair (Lecture Theatre-2)
5.0 Non-Conventional Energy Resources; 7.0 Preservation of Natural Resources; 8.0 Others	T5.1	Review on Non-Conventional Energy Resources in India - Dr. Mohammad Miyan & Dr. M. K. Shukla	T8.3	From Intelligent Machines to Emotionally Intelligent Machines: A Study of Affect Recognition - Shardul Shankar, Mr.Rahul Misra, Shashwat Shankar	T8.15	Effect of Copper On Austempering Ductile Iron - Abhishek Singh, Brijesh Ojha
	T5.2	Low Power Differential & Ring VCO Architectures for High Frequency (L-Band) PLL Applications in 0.35 μ CMOS Process - Deepak Balodi and Rahul Misra	T8.4	Effectiveness of cloud computing services on E-commerce - Aarti Rani, Dr. Vijay Prakash	T8.16	An Overview of Internet of Things - Priyanka Saxena, Sonal Kumari And A. Ansari
	T5.3	Design, Development And Analysis By Bondgraph Simulation Technique For Comfort Ride On Vehicles - Manoj Kumar Singh	T8.5	Fabrication & Characterization of Polyoxometalate Based Hybrid: Their Application in Catalysis - Shiva Arun, Anuj Kumar Agarwal, Ashutosh Asthana	T8.17	Fingerprint Based Medical Information System - Ravi , Azhar Ansari
	T5.4	Energy Efficiency Data Transmission in Wireless Sensor Network - Hira Singh Yadav Diwakar Maurya	T8.6	Power control of stand-alone solar power generation system using incremental conductance based maximum power tracking - Ashutosh Asthana	T8.18	SLR PARSING Techniques Using JFLAP Method - Santosh Kumar Singh, Yusuf Khan, Sunit Kumar Mishra

T5.5	Implementation of an Fault Current Limiter For Protection of DFIG-Based Wind Turbine Systems - Vishwa Mani Tripathi, Aishvarya Narain	T8.7	Assimilation of Wind Energy on Smart Grid: A Review - Purnima Singh, Swatika Srivastava	T8.19	Similarity Solution of Cylindrical shock wave with radiation energy & material pressure in Magneto-hydro-dynamic - Ajai Singh Yadav and Kishore Kumar Srivastava
T5.6	An Innovative Approach to Use Solar Energy Utilizing Drinking Bird Principle for Water Lifting In Rural Areas - Jaswant Singh	T8.8	A Study of CAN Satellite - Ekta Kriti, Ankita, A. Ansari	T8.20	Stock- linked demand dependent Production Inventory Model with Decling Deterioration - Sachin Mishra
T7.1	Industry 4.0: Challenges and Opportunities to Sustainable Development - Niraj Gupta	T8.9	Second Language Learning: A Case-Study of Engineering Students - Ashish Kumar Pandey	T8.21	Ethanol -sensing characteristics of tin oxide (SnO ₂) nano-particle thin films deposited using ultrasonic nebulizer - A. K. Sharma
T7.2	Remedies of Textile Dyeing Effluent by Adsorbents Produced from Indigenous Agricultural Waste Products - Maaz Allah Khan	T8.10	Gandhian View on the Philosophy of Education - Dharmesh Srivastava	T8.22	Wireless Energy Transmission – Himanshu Singh, Anamika Singh, Saumya Rai, Ritu Singh
T7.3	Use of Acetylene As An Alternative Fuel In Modified Si Engine - Mr. Ravi Singh Chauhan, Mr. Amar Asthana, Mr. Prashant Kumar, Mr. Deepak Sonkar, Mr. Mukur Shukla	T8.11	Advanced 1d Sensor Network Opportunistic Routing For Lifetime Enhancement - Uday Singh, Shafeeq Anmad, Manmohan Singh	T8.23	QCA based combination circuits - Vinay Kumar Verma, Rahul Misra
T7.4	Quick Lifting Screw Jack Using Bevel Gear Arrangement - Deepak Pandey , Shailendra Yadav, Shirish Kumar, Pritam Mishra, Vinay Patel	T8.12	Belief propagation algorithm for the node selections in wireless cooperative communication network - Anand Ranjan, O.P. Singh, G.R. Mishra	T8.24	Vibration Analysis of Functionally graded rotating plate - Mukesh Kumar, Aditya Prakash Yadav
T8.1	Sea water purification system based on Pascal's law - Pankaj Kumar Yadav, Mayank Shukla, Ashish Singh	T8.13	One pot synthesis of diosgenin prodrugs and its quantum chemical calculations - Amandeep, Arun Sethi	T8.25	Customer Preference For Some FMCG Products (Soap, Shampoo and Detergent) in Varanasi District - Priyanka Khare, Syed Haider Ali
T8.2	Analysis of a spatio-temporal Leslie-Gower predator-prey model with weak Allee effect in the presence of nonlinear harvesting - Manoj Kumar Singh	T8.14	Automatic Fan Speed Control System Using Arduino - Saumya Rai, Afreen Jahan & Ravi	T8.26	Optimising Gas Metal Arc Welding Using Various Ferrous Materials - Mahima singh, Aditya Chaubey, K. G. Sinha

25th November, 2018

1:30 PM - 2:30PM	Lunch
2:30 PM -3:30 PM	Valedictory Session

Valedictory Session

(November 25, 2018)

- 02:30 P.M. Welcome of Guests by Prof. (Dr.) Manoj Mehrotra,
Seminar Chair & Director, SMS
- 02:35 P.M. Seminar Concluding Remarks by Prof. (Dr.) Bharat
Raj Singh, Seminar Co-Chair & DG (T), SMS
- 02:45 P.M. Address by Guest of Honour: Dr. Niraj Gupta, Dean
& Professor, SRM University, Lucknow
- 02:55 P.M. Address by Guest of Honour: Dr. Suresh C. Bajpai,
Director, Futuris Energy Pvt. Ltd.
- 03:05 P.M. Address by Chief Guest Prof. (Dr.) J. P. Pandey,
Director, KNIT, Sultanpur, UP
- 03:15 P.M. Presentation of Mementos & Distribution of
Certificates
- 03:25 P.M. Vote of Thanks: Mr. Surendra Srivastav, GM, SMS
Lucknow
- 03:30 P.M. High Tea