



International Symposium to Promote Innovation & Research in Energy Efficiency (INSPIRE)

An International Conference on Showcasing Innovation and Implementation Best Practices
in Energy Efficiency Technologies, Policies and Financing

www.inspire.ind.in

27th November – 1st December, 2017

**Hotel ITC Rajputana
Jaipur, India**

Organized by

**Energy Efficiency Services Limited (EESL),
Alliance for an Energy Efficient Economy (AEEE) and
The World Bank**

&

Supported by

**Bureau of Energy Efficiency (BEE)
The Energy & Resources Institute (TERI)
Dept. of Science & Technology (DST), Govt. of India
MacArthur Foundation
American Council for an Energy-Efficient Economy (ACEEE)**

INSPIRE Programme

**The programme runs from 9:30 to 5:30 pm every day, including breaks, unless otherwise indicated.
Panel Discussions will not include formal presentations, unless otherwise indicated**

November 27 th Day 1 – Inaugural Session followed by Keynote Speech by Dr. Amory Lovins and followed by Executive Discussions on International Practices	
10:00 – 10:45 AM Venue: Suryavanshi Mahal, Ground Floor	Inaugural Session <ol style="list-style-type: none"> 1. Welcome Address: Mr. Saurabh Kumar, Managing Director, Energy Efficiency Services Ltd., India 2. Address: Amb Satish C. Mehta, I.F.S., (Retd.), Sr. Advisor, EESL 3. Special Address: Mr. John Roome, Senior Director – Climate Change, The World Bank 4. Key Note Address: Mr. Abhay Bakre, Director General, Bureau of Energy Efficiency (BEE), India 5. Launch of EESL’s Coffee Table Book and Mobile App: Mr. Ashok Jain, I.A.S., Chief Secretary, Govt. of Rajasthan 6. Inaugural Address: Mr. Ashok Jain, I.A.S., Chief Secretary, Govt. of Rajasthan 7. Vote of Thanks: Dr. Satish Kumar, Convener INSPIRE, India
10:45 – 11:30 AM	Press Conference: EESL, BEE, The Energy and Resources Institute, The World Bank
10:45 – 12:00 PM	Tea/Networking Break – Area Adjoining Suryavanshi Mahal
12:00 – 1:00 PM Venue: Suryavanshi Mahal, Ground Floor	Keynote Session: Reinventing Fire for India - Opportunities for India to leapfrog in the new energy landscape. Description: This Opening Plenary session will set the context for the theme of the international conference. The keynote presentation by Dr. Lovins will talk about the globally-evolving clean energy scenario and where the big energy efficiency opportunities lie. With energy efficiency as its cornerstone and needing its pace redoubled, climate protection depends critically on seeing and deploying the entire efficiency resource. This opportunity requires focusing less on individual technologies than on whole systems (buildings, factories, vehicles, and the larger systems embedding them), and replacing theoretical assumptions about efficiency’s <i>diminishing</i> returns with practitioners’ empirical evidence of <i>expanding</i> returns. <ol style="list-style-type: none"> 1. Setting the Context and Introduction of Speaker: Mr, John Roome, Senior Director –Climate Change, The World Bank 2. Keynote Speech: Dr. Amory Lovins, Cofounder and Chief Scientist, Rocky Mountain Institute (RMI), USA 3. Q&A Session
1:00 – 2:00 PM	LUNCH - Area Adjoining Suryavanshi Mahal
2:00 – 3:30 PM Venue: Suryavanshi Mahal, Ground Floor	Executive Panel Discussion #1: Transitions in Energy Efficiency - Shifting the Global Energy Paradigm Description: This Executive Discussion showcases experiences from across the globe that have brought about a paradigm shift in energy efficiency. The session will highlight the best practices, energy efficiency policy solutions, programme implementation models and delivery mechanisms that have already started triggering large-scale market transformation around the world. <p style="margin-top: 10px;">Co-Chairs: Dr. Brian Motherway, International Energy Agency & Mr. Simon Stolp, The World Bank</p> <ol style="list-style-type: none"> 1. Mr. Benoit Lebot, International Partnership for Energy Efficiency Cooperation, France 2. Mr. Mark Lister, Copenhagen Centre on Energy Efficiency, Denmark, (<i>via skype / phone</i>), 3. Mr. Christian Zinglensen, Clean Energy Ministerial, France 4. Ms. Christine Egan, CLASP, USA
3:30 – 4:00 PM	Tea/Networking Break - Area Adjoining Suryavanshi Mahal
4:00 – 5:30 PM	Executive Panel Discussion #2: Energy Efficiency Development in Asia – The

<p>Venue: Suryavanshi Mahal, Ground Floor</p>	<p>Evolving Landscape</p> <p>Description: This Executive Discussion shifts the focus to Asia and energy efficiency policies, financing and implementation models that have set new benchmarks not just at the country/regional level but for the global energy efficiency community to replicate.</p> <p>Co-Chairs: Dr. Demetrios Papathanasiou, The World Bank</p> <ol style="list-style-type: none"> 1. Mr. Chartdanai Chartpolrak, Energy Conservation Center of Thailand 2. Mr. Soumya Garnaik, Energy Efficiency Services Limited (EESL), India 3. Mr. Md. Abdullah Al Mamun, Sustainable and Renewable Energy Development Authority (SREDA), Bangladesh 4. Mr. Asad Mahmood, National Energy Efficiency and Conservation Authority (NEECA), Pakistan (<i>via phone</i>)
	<p>Entertainment Programme/Networking Opportunity Followed by Dinner - Poolside</p>

November 28th (Day 2) – One Plenary Session followed by Parallel Executive and Spotlight Sessions

<p>9:30 – 11:00 AM</p> <p>Venue: Suryavanshi Mahal, Ground Floor</p>	<p>Plenary Discussion: Show Me the Money - Innovative Financing that Works</p> <p>Description: The Energy Efficiency Financing landscape in India has started to improve in the last couple of years. This plenary will present India and global experiences on how for the potential for energy efficiency can be converted into investments at a scale, estimated to be over \$400 billion per year to reach the SE4ALL Goals by 2030. The focus will be on innovative and commercial financing instruments using public finance mechanisms to mobilize the private sector capital.</p> <p>Co-Chairs: Mr. Jorgen Thomsen, MacArthur Foundation & Mr. Gailius J. Draugelis, The World Bank</p> <ol style="list-style-type: none"> 1. Mr. Kenichi Yokoyama, Asian Development Bank, India 2. Mr. Jigar Shah, International Finance Corporation 3. Dr. Steven Fawkes, EnergyPro Limited, United Kingdom 4. Mr. Rajat Misra, Asian Infrastructure Investment Bank, China 5. Ms. Anubha Prasad, Small Industries Development Bank of India (SIDBI), India 	
<p>11:00 – 11:30 AM</p>	<p>Tea/Networking Break - Area Adjoining Suryavanshi Mahal</p>	
<p>11:30 – 1:00 PM</p>	<p>Executive Panel Discussion #3: Energy Efficiency Market Transformation – International Experiences and Success Stories (Venue: Suryavanshi Mahal, Ground Floor – Section A)</p> <p>Description: This Executive Discussion focuses on international success stories and best practices for successful market transformation through specific national policies, global programs and other initiatives, to scale up energy efficiency implementation around the world.</p> <p>Chair: Dr. Ashok Sarkar, The World Bank</p> <ol style="list-style-type: none"> 1. Mr. Inchul Hwang, Korea Energy Agency, Korea 2. Mr. Mohamed Zied Gannar, National Agency for Energy Conservation (ANME), Tunisia 3. Ms. Laura Van Wie McGrory, Alliance to Save Energy, USA 4. Mr. Alexander Farsan, Carbon Trust, United Kingdom 5. Ms. Anjali Jaiswal, Natural Resources Defense 	<p>Spotlight Session: Featured Technical Papers (3 papers, 30 minutes each)</p> <p>(Venue: Suryavanshi Mahal, Ground Floor – Section B)</p> <p>Chair: Mr. Soumya Garnaik, EESL, India</p> <p>Speakers:</p> <p>Enabling Policies to Advance Energy Productivity in India <i>Mr. S. Padmanabhan, AEEE, India</i></p> <p>Building energy disclosure policy for Indian cities and states <i>Dr. Saket Sarraf, psCollective, India</i></p> <p>The need for a business enablement entity for the fledgling Indian ESCO market <i>Dr. Satish Kumar, AEEE, India</i></p>

	Council (NRDC), USA	
1:00 – 2:00 PM	LUNCH - Area Adjoining Suryavanshi Mahal	
2:00 – 3:30 PM	<p>Executive Panel Discussion #4: EE Market Transformation – Success Stories from India (Venue: Suryavanshi Mahal, Ground Floor – Section A)</p> <p>Description: This Executive Discussion focuses on EE Market Transformation in India: Transition from Conventional to Best Available Technologies (BAT) in EE through policies, institutional development and market mechanisms</p> <p>Chair: Mr. Soumya Garnaik, EESL, India</p> <ol style="list-style-type: none"> Mr. Rajneesh Rana, EESL, India Dr. Ashok Kumar, BEE, India Mr. Girja Shankar, EESL, India 	<p>Spotlight Session: Featured Technical Papers (3 papers, 30 minutes each) (Venue: Suryavanshi Mahal, Ground Floor – Section B)</p> <p>Chair: Mr. Venkat Garimella, Schneider Electric, India</p> <p>Speakers</p> <p>Generic Evaluation Framework for Energy Efficiency Programs in India – Evaluating EE policies and programmes in India <i>Mr. Aditya Chunekar, Prayas Energy Group, India</i></p> <p>Smart Manufacturing Components, Collaborations, and Case Studies <i>Mr. Ethan Rogers, American Council for An Energy Efficient Economy (ACEEE), USA</i></p> <p>Development and Adoption of Voluntary Lighting Specifications to Drive Efficacy and Assure Product Quality <i>Ms. Christina Halfpenny, Design Lights Consortium, USA</i></p>
3:30 – 4:00 PM	Tea/Networking Break - Area Adjoining Suryavanshi Mahal	
4:00 – 5:30 PM	<p>Executive Panel Discussion #5: Capturing the Co-benefits of Energy Efficiency towards Sustainable Development: Enabling Universal Energy Access and Creating Green Jobs (Venue: Suryavanshi Mahal, Ground Floor – Section B)</p> <p>Description: Like many other countries, India is blessed with a demographic dividend and Govt. of India's current focus is on skills development and creating jobs. This session will discuss and highlight how innovation in energy efficiency and other clean energy technologies can not only scale up energy access but also create 10 million green jobs and result in other co-benefits.</p> <p>Chair: Mr. Steven Nadel, ACEEE</p> <ol style="list-style-type: none"> Dr. Rahul Walawalkar, Indian Energy Storage Association (IESA), India Mr. R. Subramanian, Saint-Gobain, India Mr. Sanjeev Seth, Ingersoll Rand, India Dr. Chetan Solanki, Indian Institute of Technology (IIT) Bombay, India Mr. S. Raghupathy, Confederation of Indian Industry (CII), India 	<p>Executive Panel Discussion #6: Smarter and Efficient Grids: Enhancing Energy Security through Integration of 100 GW of Energy Efficiency as the “First Fuel” in India (Venue: Suryavanshi Mahal, Ground Floor – Section A)</p> <p>Description: Public and Private Sector must work together to mainstream demand side energy efficiency as the “first fuel” and jointly set a goal of 100 GW of avoidable power generation through energy efficiency and utility demand side management. This session will focus on what has worked in other countries and what regulatory and policy changes are required in India to capture its EE potential along with the transition towards advanced technologies in demand response, smart grids, energy storage, e-mobility and renewable energy integration.</p> <p>Chair: Mr. Upendra Bhatt, AEEE</p> <ol style="list-style-type: none"> Ms. Neelima Jain, EESL, United Kingdom Dr. Amol Phadke, Lawrence Berkeley National Laboratory (LBNL), USA Mr. Ammi Amarnath, Electric Power Research Institute, USA Dr. Pankaj Agarwal, Panitek Power AG, Switzerland

<p>5:45 PM - 6:15 PM (Venue: Suryavanshi Mahal, Ground Floor)</p>	<p>Special Remarks: New Frontiers in Energy Efficiency</p> <ol style="list-style-type: none"> Remarks by Mr. Saurabh Kumar, Energy Efficiency Services Limited Remarks by Dr. Demetrios Papathanasiou, The World Bank
	<p>Networking Opportunity over Hi-Tea- Area Adjoining Suryavanshi Mahal Site Visit to Jaipur's EESL-implemented LED Streetlight Project and Façade Lighting at Police Commissionerate at 6:30 PM (Pre-registration Required. Buses to leave ITC-Rajputana sharply at 6:30 PM. All participants will return after dinner by 9:30 PM)</p>
<p>November 29th (Day 3) – Two Plenary Sessions Followed by Parallel Executive and Spotlight Sessions</p>	
<p>9:30 – 11:00 AM (Venue: Suryavanshi Mahal, Ground Floor)</p>	<p>Plenary Session: Role of Technology, Innovation and Business Models in Enabling Energy Efficiency as a Resource</p> <p>Description: While it is an accepted fact that private sector needs to complement the public policy initiatives to realise the full potential of energy efficiency, it is often not clear how public-private partnerships construct can benefit from the technology development and innovations taking place in companies. The Business leaders of leading Indian and international companies will share their ideas and perspectives on how this can be done.</p> <p>Co-Chairs: Dr. Ajay Mathur, TERI & Dr. Amory Lovins, RMI</p> <ol style="list-style-type: none"> Mr. Ravi Purushothaman, Danfoss Industries, India Mr. Ajay Durrani, Covestro, India Mr. Venkat Garimella, Schneider Electric, India Ms. Jennifer Layke, World Resources Institute (WRI), USA Mr. Dhiraj Wadhwa, United Technologies Corporation (UTC), India
<p>11:00 – 11:30 AM</p>	<p>Tea/Networking Break - Area Adjoining Suryavanshi Mahal</p>
<p>11:30 – 1:00 PM (Venue: Suryavanshi Mahal, Ground Floor)</p>	<p>Plenary Session: Global R&D Experiences Leading to Technological Innovations and Visionary Policies</p> <p>Description: The plenary will focus on how public-funded R&D efforts around the world has a) led to technology development that has made a significant contribution in pushing the energy efficiency envelope; b) helped policy formulation and implementation organisation in coming up with visionary policies that has led to low-carbon and sustainable development (e.g. building and habitat energy efficiency, sustainable and smart space cooling, etc.)</p> <p>Chair: Dr. Rajiv Sharma, Secretary, Science and Engineering Research Board</p> <ol style="list-style-type: none"> Dr. Daniel Shah, Research Council UK Prof. Ashok Lall, Sustainable Architect and Professor, India Prof. Rangan Banerjee, IIT Mumbai, India Dr. Amol Phadke, LBNL, USA Prof. Rajan Rawal, CEPT University, India
<p>1:00 – 2:00 PM</p>	<p>LUNCH - Area Adjoining Suryavanshi Mahal</p>
<p>2:00 – 3:30 PM</p>	<p>Executive Discussions (Parallel Sessions):</p> <ol style="list-style-type: none"> Putting the Spotlight on Indian States (Led/Organized by BEE and Designated State Agencies with the World Bank, ACEEE, AEEE) (Venue: Suryavanshi Mahal, Ground Floor – Section A) Energy Efficient Technology Roadmap for India (Led/Organized by Technology Information, Forecasting and Assessment Council with TERI, CII and AEEE) (Venue: Suryavanshi Mahal, Ground Floor – Section B) Lessons learned from International Experiences for Enabling the ESCO Industry in India (Led by AEEE) (Venue: Residents Lounge, Level 1)
<p>3:30 – 4:00 PM</p>	<p>Tea/Networking Break - Area Adjoining Suryavanshi Mahal</p>

	Spotlight Sessions – 3 concurrent tracks featuring 4 presentations based on peer-reviewed and accepted papers in each track		
4:00 – 5:30 PM	<p>Buildings, Systems and Technologies (Venue: Suryavanshi Mahal, Ground Floor – Section A)</p> <p>Chair: Dr. Archana Walia, CLASP, India</p> <p>Energy Efficient Building Envelope for Multi-Storey Residential Buildings <i>Saswati Chetia, Indo-Swiss Building Energy Efficiency Project (BEEP), India</i></p> <p>Life Cycle Assessment of High-Rise Residential Building in India and Comparative Analysis of environmental impacts with Alternate Wall Materials, Shiva <i>Krishna Pavuluri, L&T Construction, India</i></p> <p>Passive Design Indices: Quantifying the Potential of Passive Strategy in a Climate <i>Jaydeep Bhadra, CEPT University, India</i></p> <p>Comfort and Energy Assessment of Low-cost Public Housing Scheme in Ethiopia <i>Belay Zeleke Ayele, IIT Roorkee, India</i></p>	<p>Business, Industry and Finance (Venue: Residents Lounge, Level 1)</p> <p>Chair: Mr. S. Padmanaban, AEEE</p> <p>Increasing the flow of investment into energy efficiency <i>Steven Fawkes, EnergyPro Ltd., UK</i></p> <p>Financing Models for Scaling Up Energy Efficiency Implementation in the Public Sector <i>Dilip Limaye, SRC Global Inc., USA</i></p> <p>Innovative methods for Public procurement of Energy Efficiency Services <i>Girja Shankar, EESL, India</i></p> <p>Engaging Customers to Adopt Distributed Energy Resources, <i>Marisa Uchin, Oracle Utilities, USA</i></p>	<p>Codes, Standards and Policies (Venue: Suryavanshi Mahal, Ground Floor – Section B)</p> <p>Chair: Dr. Mahesh Patankar, MP ENSystems, India</p> <p>How to have your code and implement it too <i>Rajkiran Bilolikar, ASCI, Hyderabad</i></p> <p>An evaluation framework for assessing state level progress in energy efficiency in India <i>Sangeeta Mathew, AEEE</i></p> <p>Energy efficiency for climate resilience in Asian cities <i>Olga Chepelianskaia, Unicity, France</i></p> <p>Mainstreaming Energy Efficient Building Design Practices in State Public Works Departments <i>Vernica Prakash, Indo-Swiss Building Energy Efficiency Project, India</i></p>
	7:00 PM onwards	Traditional Rajasthan Cultural Programme Followed by Dinner - Poolside	
November 30th (Day 4) – Executive Panel Discussion followed by parallel session in the first half, Techno Buzz and Informal Session in the afternoon, followed by special sessions hosted by Ministry of Environment, Forest and Climate Change			
9:30 – 11:00 AM (Venue: Suryavanshi Mahal, Ground Floor)	<p>Executive Panel Discussion #7: How IoT, Big Data & Analytics, Sensors and Smart Metering are Transforming the Energy Efficiency Landscape</p> <p>Description: Energy efficiency, when combined with IoT, Big Data & Analytics and Sensors and Smart Metering are transforming the energy efficiency landscape. This plenary session will give a glimpse of how the next generation of technologies are helping transform the energy markets and opening up many opportunities in the energy efficiency space.</p> <p>Chair: Dr. Rahul Tongia, Brookings India and Dr. Shivkumar Kalyanaraman, IBM, India</p> <ol style="list-style-type: none"> Mr. Balachandar Jayaraman, Siemens, Singapore Mr. Rudy Vielvoye, Engie, France Prof. Krithi Ramamritham, Center for Urban Science and Engineering, India Mr. Punit Desai, Infosys Limited, India Dr. Amarjeet Singh, Zenatix, India Mr. Umesh Bhutoria, EnergyTech Ventures, India 		
11:00 – 11:30 AM	Tea/Networking Break - Area Adjoining Suryavanshi Mahal		
11:30 – 1:00 PM	Spotlight Sessions – 3 concurrent tracks featuring 4 presentations based on peer-		

	reviewed and accepted papers in each track		
	<p>Buildings, Systems and Technologies (Venue: Suryavanshi Mahal, Ground Floor – Section A) Chair: Dr. Sanjay Bajpai, DST</p> <p>Generating Negawatts through Curricula Change in Architecture Colleges in India <i>Vivek Gilani, cBalance Solutions, India</i></p> <p>Embodied Energy of Different Design Configurations of Mass Affordable Housing <i>Saswati Chetia, Greentech Knowledge Solutions Pvt. Ltd., India</i></p> <p>Vidyut Rakshaka (Electricity Saviour) - A citizen led initiative for saving electricity in households <i>Sumathy Krishnan, TIDE, India</i></p> <p>Energy Efficiency Enhancement – How understanding people’s behaviour can drive policies <i>Chillayil Jayaraman, Amrita Vishwavidyapeetham University, India</i></p>	<p>Business, Industry and Finance (Venue: Residents Lounge, Level 1) Chair: Mr. Girish Sethi, TERI</p> <p>Moving to Monitoring-Based Commissioning <i>Aalok Deshmukh, Schneider Electric, India</i></p> <p>Data Analytics unlocks Substantial Energy Savings for waste energy recovery based Captive Power Plants <i>U. Sreenivasamurthy, ITC Infotech, India</i></p> <p>‘Energy Accounting’; a statistical model to improve overall plant Performance Monitoring <i>Sibaji Pattanaik, Aditya Birla Management Corporation Pvt.Ltd., India</i></p> <p>Optimizing Assets for Best Performance in an Industrial Manufacturing Environment <i>Pushkar Kumar, EcoEnergy, Canada</i></p>	<p>Codes, Standards and Policies (Venue: Suryavanshi Mahal, Ground Floor – Section B) Chair: Mr. Saurabh Diddi, BEE</p> <p>How to implement building codes as an effective tool to save energy? Experiences in Europe. <i>Frances Bean, Buildings Performance Institute Europe, Belgium,</i></p> <p>Rethinking Energy Conservation Building Code (ECBC) Implementation Strategy in States and Cities <i>Mohini Singh, AEEE, India</i></p> <p>Establishing a Commercial Buildings Energy Data Framework for India – Approaches, Use Cases and Institutions <i>Sangeeta Mathew, AEEE</i></p> <p>Demonstrating leadership of cities on efficient buildings- Lessons from the Building Efficiency Accelerator <i>Sumedha Malaviya, WRI, India</i></p>
1:00 – 2:00 PM	LUNCH - Area Adjoining Suryavanshi Mahal		
2:00 – 3:30 PM	<p>Techno Buzz / Speed Innovation for Businesses/Companies (Venue: Suryavanshi Mahal, Ground Floor – Section B): Siemens, Schneider Electric, UTC, Grundfos, Saint Gobain, Danfoss, Covestro, etc. will be talking about latest technological innovations that can lead to disruption or transformation in energy efficiency</p>	<p>Energy Efficiency at the Heart of the National Cooling Action Plan (Led by MoEFCC, BEE and DST With Support from AEEE, TERI, EESL, NRDC, LBL, CEEW) (Venue: Suryavanshi Mahal, Ground Floor – Section A) – Addressing the national imperative of developing a sustainable and smart cooling action plan that looks at the topic in a holistic fashion and seeks ideas on a stakeholder engagement model and the scope of the effort.</p>	
3:30 – 4:00 PM	Tea/Networking Break - Area Adjoining Suryavanshi Mahal		
	Spotlight Sessions – 3 concurrent tracks featuring 4 presentations based on peer-reviewed and accepted papers in each track		
4:00 – 5:30 PM	<p>Buildings, Systems and Technologies (Venue: Suryavanshi Mahal, Ground Floor – Section A) Chair: Dr. Sameer Maithel,</p>	<p>Business, Industry and Finance (Venue: Residents Lounge, Level 1) Chair: Mr. Nagahari Krishna,</p>	<p>Codes, Standards and Policies (Venue: Suryavanshi Mahal, Ground Floor – Section B) Chair: Dr. Meredydd Evans,</p>

	<p>Greentech Knowledge Solutions Pvt. Ltd., India</p> <p>Future cities – Hot and Smart: urban heat, impacts, risk and resilience in India <i>Komali Yenneti, University of New South Wales, Australia</i></p> <p>Holistic approach to achieving indoor thermal comfort for all in India by advocating smart and sustainable space cooling policies <i>Satish Kumar, AEEE, India</i></p> <p>Case Study of an Energy Efficient Commercial Building: Validating Design Intent & Energy Simulation Results with Monitored Performance Data <i>Prashant Bhanware, Indo-Swiss Building Energy Efficiency Project (BEEP), India</i></p> <p>Cool Roof Implications on Thermal Adaptation in Built Environment <i>Kopal Nihar, IIIT Hyderabad, India</i></p>	<p>Danfoss, India</p> <p>Strategic Energy Management: Moving from a transactional to a consultative delivery model for energy efficiency <i>Sneha Sachar, National Grid, USA</i></p> <p>Enterprise Energy Management: The Schneider Electric India Story <i>Rohit Chashta, Schneider Electric, India</i></p> <p>Energy and resource efficiency opportunities across the value chain <i>Rajat Batra, STENUM Asia Sustainable Development Society, India</i></p> <p>Energy Efficiency through different design approach- Dual loop system <i>Seemant Sharma, Johnson Controls, India</i></p>	<p>Pacific Northwest National Laboratory, USA</p> <p>The impact of measurement and verification option choice on financial returns for clients in Energy Performance Contracts <i>Paul Ruyssevelt, University College London, UK</i></p> <p>ESCerts Trading Market under PAT Scheme: A critical review <i>Rahul Ravindranathan, ICF Consulting, India</i></p> <p>Energy, Emissions and Economy-wide impacts of adopting appliance efficiency measures <i>Saket Sarraf, psCollective, India and Surabhi Joshi, Regulatory Assistance Project, India</i></p>
7:00 PM onwards	TBD: Entertainment programme, followed by gala dinner - Poolside		
December 1st (Day 5) - Two parallel sessions followed by a concluding session			
9:30 – 11:00 AM	Spotlight Sessions – 3 concurrent panels featuring 4 presentations based on peer-reviewed and accepted papers in each track		
	<p>Buildings, Systems and Technologies (Venue: Suryavanshi Mahal, Ground Floor – Section A)</p> <p>Chair: Prof. Rajan Rawal, CEPT University</p> <p>How IoT solutions are unifying operations, catalysing efficiency, and boosting uptime in buildings <i>Aalok Deshmukh, Schneider Electric, India</i></p> <p>Lighting Energy Saving Potential in India by 2030 - GHG abatement potential through efficient lighting fixture market penetration road map <i>Govinda Somani, GIZ, India</i></p> <p>Simulating Natural Ventilation in Residential Buildings using Water Table Apparatus <i>Monisha Royan, CEPT</i></p>	<p>Business, Industry and Finance (Venue: Residents Lounge)</p> <p>Chair: Mr. R. Virendra, National Productivity Council</p> <p>Energy Efficiency Services: Opportunities and Business Models for the Private Sector <i>Dilip Limaye, SRC Global Inc., USA</i></p> <p>Enhance MSMEs Access Commercial Finance <i>Rajiv Kumar, SIDBI, India</i></p> <p>Energy efficiency improvement in Reformer of Hydrogen Unit at Numaligarh Refinery <i>Geetali Kalita, Numaligarh</i></p>	<p>Codes, Standards and Policies (Venue: Suryavanshi Mahal, Ground Floor – Section B)</p> <p>Chair: Dr. Radhika Khosla, Center for Policy Research</p> <p>Evaluating National Energy Efficiency Policy Adoption and Outcomes <i>Shruti Vaidyanathan, ACEEE, USA</i></p> <p>Legal and policy support to the development and implementation of energy efficiency legislation for the building sector in India – The role of ACE:E2 project <i>Rajeev Ralhan, PwC, India</i></p> <p>Institutional Governance and Frameworks for Energy Efficiency-Global Experience</p>

	<p><i>University, India</i></p> <p>Embodied Energy Database for Bricks & Blocks in India using Process Analysis Methodology <i>Ananthkrishnan Ravi, Greentech Knowledge Solutions Pvt. Ltd., India</i></p>	<p><i>Refinery Limited, India</i></p> <p>Energy efficient technologies and best operating practices for improving resource efficiency in small scale foundry <i>E. Nand Gopal, TERI, India</i></p>	<p><i>Apoorv Nagpal, Tetra Tech, India</i></p> <p>Transition to Energy Efficient Biomass Cook Stoves for Summative Point Source Emissions Reduction and Improved Respiratory Health. <i>Lalit Kumar Joshi, Malviya National Institute of Technology, India</i></p>
11:00 – 11:30 AM	Tea/Networking Break - Area Adjoining Suryavanshi Mahal		
	Spotlight Sessions – 3 concurrent tracks featuring 4 presentations based on peer-reviewed and accepted papers in each track		
11:30 – 1:00 PM	<p>Buildings, Systems and Technologies (Venue: Suryavanshi Mahal, Ground Floor – Section A)</p> <p>Chair: Dr. Vishal Garg, International Institute of Information Technology, India</p> <p>Identifying and Analyzing Passive Design Strategies for India under different climate conditions <i>Sakshi Nagpal, CEPT University, India</i></p> <p>Outdoor Thermal Comfort Analysis at a Sustainable University Campus <i>Mujesira Bakovic, Istanbul Technical University, Turkey</i></p> <p>Impact of Climate Change on Building Energy Consumption <i>NVSK Manapragada, IIIT Hyderabad, India</i></p>	<p>Business, Industry and Finance (Venue: Residents Lounge, Level 1)</p> <p>Chair: Dr. Jyotirmay Mathur, Malaviya National Institute of Technology, India</p> <p>Mainstreaming Energy Efficiency for Market Transformation and Economic Productivity <i>Koshy M Cherail, AEEE, India</i></p> <p>Modernisation of Indian Brick Manufacturing Sector: Use of Energy Efficient Technologies <i>Sachin Kumar, TERI, India</i></p> <p>Energy efficient technologies and best practices for energy conservation in cement industry <i>Rajendra Giri, Mangalam Cement Ltd., India</i></p> <p>Energy efficient downdraft kiln for small-scale refractory industries <i>E Nand Gopal, TERI, India</i></p>	<p>Business, Industry and Finance (Venue: Suryavanshi Mahal, Ground Floor – Section B)</p> <p>Chair: Mr. Aalok Deshmukh, Schneider Electric, India</p> <p>Transforming Energy Efficiency Market - Necessity of Partial Risk Sharing Facility (PRSF) <i>Rajiv Kumar, SIDBI, India</i></p> <p>The M&V 2.0 Opportunity And Challenges <i>Rohit Chashta, Schneider Electric, India</i></p> <p>Energy Audit –Tool For Energy Efficiency <i>I V Ramesh Kumar, Maruti Consultants, India</i></p> <p>Sustainable energy efficiency through digitalization <i>Amal Apurv Jaiswal, Siemens Ltd., India</i></p>
1:00 – 2:00 PM (Venue: Suryavanshi Mahal, Ground Floor)	<p>Valedictory Session and Conclusion of INSPIRE 2017</p> <p>Description: Top 3-5 Transformative Ideas Emerging from the INSPIRE to be included in the Energy Efficiency Policy and Implementation Recommendation Publication</p> <ol style="list-style-type: none"> 1. Amb Satish C. Mehta, I.F.S., (Retd.), Sr. Advisor, EESL 2. Dr. Ritu Singh, Regional Manager, EESL 3. Mr. Steven Nadel, ACEEE 4. Dr. Satish Kumar, AEEE 		
2:00 – 3:00 PM	Lunch - Area Adjoining Suryavanshi Mahal followed by Dispersal		