

2nd
**International
Conference Workshop**
On
**Energy Innovation Initiatives for Attaining
Sustainable Development Goals**

13th – 15th Feb' 2019



Organized by



University of Petroleum
& Energy Studies
Dehradun, India

In collaboration with



Arizona State University,
Tempe, Arizona, USA



“...the sustainable energy systems of the future are no longer just about electrons, but about energy as a set of services that deliver prosperity, reliable health care, education, and business opportunities. We understand now that the energy systems of the future are so fundamentally different from the energy systems of the past that they require a re-imagining of the institutions, business models, financing and partnerships necessary to deliver SDG7 on the timeline laid out.”

4th “Sustainable Energy for All” Forums, May’ 2018 Portugal

Objectives
&
Expected
Outcomes



Themes
&
Driving
Questions

Conference
Workshop
Format

Some of the Speakers



Dr. Deepak Vohra,
Ambassador



Dr. Clark Miller,
ASU, USA



Dr. Nalini Chhetri,
ASU, USA



Dr. Nazia Mintz-
Habib, Cambridge
University, UK



Phillip Bruner,
Founder & CEO,
Enian Ltd.



Dr. Kamal Bansal,
Dean, UPES





About the conference workshop

The 4th “Sustainable Energy for All” forums held in May 2018 at Lisbon, Portugal concluded that the energy systems imaginations requires a significant shift.

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The inaugural “Eradicating Poverty through Energy Innovation (EPEI)” workshop held at Arizona State University in February 2018, arrived at similar conclusions, proposing that energy thriving should be the broader goal of achieving SDG7 i.e. Clean and Affordable Energy for All. Deliberating around the concept of Social Value of Energy; innovation in socio-technical-financial arrangements as well as governance and ownership of energy access projects were explored by a global cohort of participants. The contextual factors of geography, climatic conditions, economy, institutional strengths or weaknesses, and culture etc. emerged as crucial factors for achieving desired outcomes. Social justice, equitable distribution of benefits, and inclusive development emerged as strongly interlinked issues.

To continue the sharing and dissemination of the concept of social value of energy, various workshops around the world have been envisioned. These workshops will explore contextual themes and challenges in creating meaningful projects and programs for energy sufficiency, while generating social value for local communities which will lead to energy thriving. **University of Petroleum and Energy Studies**, located in Dehradun, Uttarakhand a Northern state of India, **in association with Arizona State University**, USA, is hosting this conference workshop. This conference is focused to meet SDGs through energy intervention and the expected outcomes will prove to be good drivers for underdeveloped and developing countries.





Objectives and Expected Outcomes

Innovative energy initiatives are being planned and implemented all the time, but one can always find a disconnect between well intended plans/policies and effective implementation. The primary motivation of this workshop is to bridge this gap by **bringing together the participants from various domains of policy, implementation, research and practice around energy systems.**

Participants in the workshop will deliberate on **three major objectives:**

- ◇ To assess existing projects/programs on basis of how they use energy as an enabler to attain SDGs (issues of equality, justice, climate adaptation, poverty alleviation, etc.).
- ◇ To deliberate on potential initiative(s) that are currently in the conceptual phase or in relatively early planning phases, to identify and incorporate social value of energy parameters in their strategic plans.
- ◇ To share best practices, as well as failures, from around the world in energy initiatives undertaken, with focus on South and South East Asia.

Expected outcomes:

- ◇ Position papers representing the collective knowledge of the group on the thematic areas are expected to be materialized and released at appropriate platforms after the workshop, ensuring communication to a wider audience.
- ◇ A multi-disciplinary, global think tank is expected to emerge from this conference workshop that continues to collaborate through follow-up events, intellectual exchanges, and joint projects.
- ◇ Ideas for future workshops, joint proposals shall be invited from current participants and interested stake holders.



THEMES AND DRIVING QUESTIONS

The United Nations' Sustainable Development Goals aim to steer global initiatives toward eradicating poverty, protecting the planet, and ensuring prosperity for everyone. Energy innovations are fundamental to achieve a majority of these goals. However, technological focus in energy access alone is inadequate to address what is essentially a complex socio-technical challenge of sustainable energy futures. Deeply embedded political-economic structures and associated variabilities with gender, ethnicity, language and geography make the process of attaining SDGs highly subjective and uncertain.

This conference workshop is organized with the aim to **rethink social values of energy**, in the context of the social, ecological and technological realities of the South Asian and South East Asian region. Given the fact that a fifth of human population lives in this region and nearly 37% faces poverty challenge, coupled with effects of climate change such as common and disruptive extreme weather conditions affecting energy access and usage, an adaptive energy infrastructure is critical for resilient and prosperous communities.

Acknowledging the urgent need for sustainable development future for South and South East Asia and to achieve meaningful progress in meeting the SDG's, the 2nd International Conference Workshop is being organized around the theme:

"Energy Innovations Initiatives for Attaining Sustainable Development Goals"

Aligned with the broad theme are questions pertaining to:



Implementing SDGs: What are the roles and policies needed? What are the identified barriers to overcome?



Designing the future: How creation of an enabling environment will contribute towards long term sustainability of energy technological interventions?



Educating citizens in skills and competencies related with SDGs: Which education institutions for which societies?



SDGs and social engagement: How can energy innovation be aligned with social needs to address the challenge of technology adoption among the masses?



Financing energy: The different levels of governing and implementing SDGs i.e. global, national and local. What works and to what extent?



Ownership Models: What kinds of ownership models for energy innovation can contribute towards sustainable energy for all?



Regulations, policy, and legal challenges: What limits community entrepreneurship in the implementation of SDGs, and how can those limits be lifted?



The community of energy innovators and thinkers interested in these thematic areas is broad and spans across entrepreneurs, businesses, governments, academia and social groups. To facilitate constructive cross-cutting dialogue and exchange of ideas, **four sub-themes are proposed for deliberation:**

- ◇ **Social value of energy innovation** in attaining UN SDGs for marginalized communities in different contexts.
- ◇ Engaging communities in **imagining sustainable futures** and assessing the role of energy innovation in achieving them.
- ◇ Role of **innovative grassroots energy enterprises** in supporting sustainable well-being of communities.
- ◇ **Policy and governance** to facilitate grassroots energy enterprises that enhance sustainable well-being and foster energy innovation at grassroots.

Participants will deliberate and share ideas based on their research and experiences. Small working groups will be formed during the workshop, documenting the ideas and approaches. These will be shared and supplemented by posters, short talks, and panel discussions by experienced participants who are representatives of the diversity of knowledge systems in this arena and area.

Who Should Participate!

- ◇ Policy Makers
- ◇ Consultants & Project Implementers
- ◇ Industry
- ◇ Multilateral & International Organizations
- ◇ Academia & Research Institutes
- ◇ Financing Agencies
- ◇ Energy advocates
- ◇ Non-profits/ NGOs



Conference Workshop Format



Roundtables



Entrepreneurs Panel



Facilitated Discussions



Invited Speakers



Poster Sessions



Networking Breaks



Show & Tell Sessions



Power Talks

Timeline

The participants are requested to submit the abstract or brief writeup of their relevant work before the below mentioned deadline.

Deadline for abstract/brief submission: 30th September' 2018

Notification of abstract/brief acceptance: 5th November' 2018

Contact Information

Abstracts, writeups or any general queries shall be addressed to below mentioned contacts:

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