

ROLE OF INNOVATIVE ENERGY TECHNOLOGIES, POLICIES & PRACTICES FOR SUSTAINABLE DEVELOPMENT

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ABSTRACT: After the first industrial revolution considerably higher priority has been placed on rapid economic growth and natural resources in general and fossilized energy resources, in particular, have been exploited at an accelerated rate making them unsustainable. Powerful lobbies have been in the forefronts in overruling environmental issues for insatiable greed for economic growth. Adverse effects of climate change have been reported worldwide. Even superpowers and developed nations have not been able to avoid the impact of the manmade climate change. At the same time billions of people, globally, live in energy poverty. Hopes on UN Paris accord for limiting below 2° rise in earth temperature felt a major setback after the actions of President Trump of USA. A transition to a low carbon economy has become elusive and complicated. What can and should be done to find sustainable alternatives? What roles can sustainable and disruptive innovations play? This keynote address identifies potential sustainable alternatives to deal with such challenging scenarios. How to evaluate complex and conflicting energy & environment scenarios will be the focus of this presentation. Speaker will highlight on innovations in technologies, policies, and practices for research & development as well as community development projects. Involving youths through joint collaborative enrichment programmes for providing sustainable alternatives will also be deliberated.

Speaker: Dr. Deepak L. Waikar, (Associate Faculty for Overseas Universities in Singapore, Managing Partner, EduEnergy Consultants LLP, Singapore & Senior Consultant for Tacstra Solutions Pte Ltd, Singapore), has been involved in education, training, research & management fields for almost three decades. He has been Associate, Visiting and Adjunct faculty for the premier institutions in India and Singapore. He has authored/co-authored book chapters, research articles and policy papers on power, energy, management & education related topics. He has served on various committees in professional bodies such as Chairman of IEEE, Power Engineering Chapter, Singapore & Vice Chair for IEEE Education Society Chapter, Singapore. He is a recipient of IEEE Power Engineering Society Outstanding Power Engineers' Award 2003 and SP-Green Buddy Award 2004. He has delivered invited presentations on power, energy, education and management related topics at the international conferences, seminars and forums in North America, Australia-New Zealand, Europe & Asia. Dr. Waikar is a Fellow of IEF, Senior Member of IEEE and a life member of the Institution of Engineers, India. He completed Ph.D. from National University of Singapore, M.S. from University of Saskatchewan, Canada and PD Adv Cert in University Teaching from University of Newcastle, Australia. He obtained PG-DBM from Nagpur University, M.Tech. from Banaras Hindu University and B.E. from Government Engineering College, Aurangabad in India, respectively. His interests include Sustainable & Clean Energy Leadership Development, Re-thinking Teaching, Learning & Academic Leadership, Re-inventing & Transforming Education, Innovative Project Design & Management, SMART Education Model, Sustainable Development, cricket & chess. (e-mail: dlwaikar@gmail.com). <https://www.linkedin.com/in/dr-deepak-waikar-640a6521/>

