



Department of Electrical and Electronics Engineering
Jointly Organizing

IEEE PELS Distinguished Lecture

on

Solid state transformers: journey from R&D to recent standard development



Dr. Xu She

Distinguished Lecturer - IEEE Power Electronics Society

&

Director of Electrical Engineering,

Lunar Energy

Mountain View, California, USA



13 | December | 2023 | 10:00 AM-12:00 PM

Last Date of Registration: 12th December 2023

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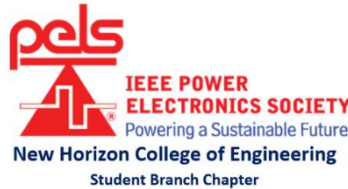
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Google Meet Link:
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Department of Electrical and Electronics Engineering
IEEE Power Electronics Society NHCE Student Branch Chapter
Geo-Code is SBC66131



Title	Distinguished Lecture Program on “Solid state transformers: journey from R&D to recent standard development”	
Department	Electrical and Electronics Engineering	
Date	From: 13.12.2023	To: 13.12.2023
Time	From: 10:00 AM	To: 12:00 PM
Brief Description (4-5 Lines Max)	<p>IEEE PELS NHCE Student Branch Chapter from Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru is organized the Distinguished Lecture Program on “Solid state transformers: journey from R&D to recent standard development” on 13th December 2023, Wednesday from 10:00 AM to 12:00 PM in association with IEEE PELS Bangalore Section Chapter. Dr. Xu She, Distinguished Lecturer - IEEE Power Electronics Society & Director of Electrical Engineering, Lunar Energy Mountain View, California, USA acted as a resource person. The outcome of the programme is to bring the researchers and academic experts from reputed institutes of our country to a collective gathering for exchanging and sharing the knowledge about the recent developments and research challenges in Solid state transformers: journey from R&D to recent standard development. In this presentation, Dr. Xu She will explore about the solid state transformer is an emerging technology that replaces the traditional line frequency transformer with additional functions and intelligence. It has gained significant attention in the past 10 years with number of publications increased by more than 25x. Around the world, there are many on-going demonstration projects for different applications, such as smart grid integration, EV fast charger, wind and solar power conversion, etc. This lecture provides an overview of development effort of solid-state transformers, a journey starting from early-stage R&D to recent standard development effort (IEEE P3105) within IEEE power electronics society. The entire session is very informative and enthusiastic manner in the area of power electronics industry. The eminent expert from the Lunar Energy delivered the lecture and his talk has been very well received by the 126 participants.</p>	

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