

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

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Jointly organised

Distinguished Lecture Program on "Wide Bandgap (WBG) Power Electronics Systems for Heavy-Duty Vehicles"

Electrical and Electronics Engineering

From: 23.10.2021 To: 23.10.2021

From: 08.00 AM (IST) To: 10.00 AM (IST)

The 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 "Wide Bandgap (WBG) Power Electronics Systems for Heavy-Duty Vehicles" on 23rd October 2021, Saturday from 08.00 AM to 10.00 AM in association with IEEE PELS Bangalore Chapter. Dr. Brij N. Singh; John Deere Inc., North Dakota, USA acted as a resource person.

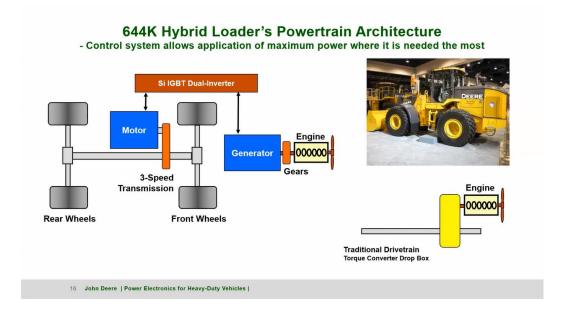
The outcome of the programme is to bring the researchers and academic experts from reputed institutes of our country to a collective gathering for exchanging and sharing the knowledge about the recent developments and research challenges in Wide Bandgap (WBG) Power Electronics Systems for Heavy-Duty Vehicles. This presentation covered publicly known information on the 200 kW 1050 VDC silicon carbide (SiC) inverter technology development project in John Deere. The SiC inverter converts vehicle engine power into electrical power needed for the permanent-magnet-motor based electric powertrain used in heavy-duty construction and mining vehicles. The presentation also covered design, development, and test verification of WBG technology deployed in the successful realization of a power-dense (43 kW/Liter) high-temperature (suitable for 115°C coolant) high-efficiency (>98% over entre range of coolant) SiC dual-inverter.

The entire session is very informative and enthusiastic manner in the area of power electronics industry. The eminent expert from the John Deere Inc., North Dakota, USA delivered the lecture and his talk has been very well received by the participants.

Congratulations to Event Coordinator Mr. Satish Kumar. D, Sr. Assistant Professor, Department of EEE, NHCE for successfully organized this event.

SESSION IMAGES









DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING IEEE Power Electronics Society NHCE Student Branch Chapter

IEEE PELS Bangalore Chapter



SPEAKER

Dr. Brij N. Singh

John Deere Inc., USA





Jointly Organising

IEEE PELS DISTINGUISHED LECTURE

on

WIDE BANDGAP (WBG) POWER ELECTRONICS
SYSTEMS FOR HEAVY-DUTY VEHICLES

CONVENOR

Dr. M. Mahesh

Professor and HOD - Dept. of EEE, NHCE

FACULTY COORDINATOR

Mr. Satish Kumar D
Sr. Assistant Professor, Dept. of EEE, NHCE

CONTACT

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Online Platform: 200m

Registration link: https://forms.gle/7NrJTXCDarrx6s76A

Last Date of Registration: 20th October 2021

Free Registration

E-certificates will be provided to all the Participants

23rd october 2021 @ 08:00 AM - 10:00 AM IST

