

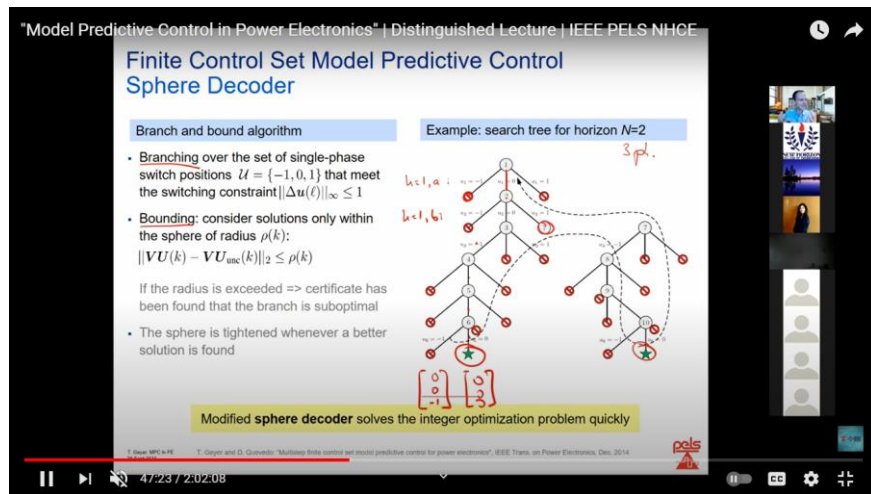
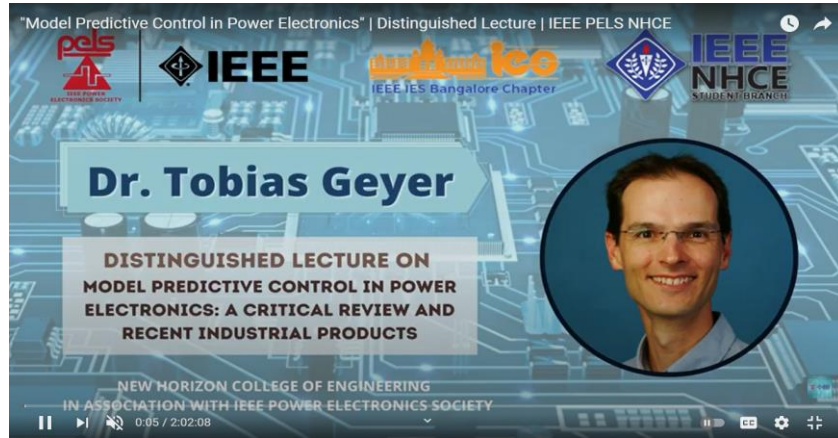
Department of Electrical and Electronics Engineering
IEEE Power Electronics Society NHCE Student Branch Chapter
Geo-Code is SBC66131
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Jointly organised

Title	Distinguished Lecture Program on “Model predictive control in power electronics: a critical review and recent industrial products”	
Department	Electrical and Electronics Engineering	
Date	From: 29.09.2021	To: 29.09.2021
Time	From: 05.00 PM	To: 07.00 PM
Brief Description (4-5 Lines Max)	<p>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 “Model predictive control in power electronics: a critical review and recent industrial products” on 29th September 2021, Wednesday from 05.00 PM to 07.00 PM in association with IEEE PELS Bangalore Chapter. Dr. Tobias Geyer, ABB Medium - Voltage Drives, Switzerland and Stellenbosch University, South Africa 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 model predictive control in power electronics: a critical review and recent industrial products. The number of publications per year on predictive control doubles every three years. The strong interest in academia is reflected in industry with two recent product releases. Both use model predictive control for high-power variable speed drives which improves efficiency, increases rated power and lowers the overall system cost. This lecture introduces the main predictive control methods available today in a concise yet intuitively accessible way. The lesser known methods are also discussed, providing a comprehensive introduction to the subject. The first two industrial success stories are presented in detail, and their commercial benefits are explained. The lecture concludes with a critical assessment of the state-of-the-art in predictive control and points out directions for future research. The entire session is very informative and enthusiastic manner in the area of power electronics industry. The eminent expert from the ABB Medium - Voltage Drives, Switzerland and Stellenbosch University, South Africa delivered the lecture and his talk has been very well received by the 120 participants. Congratulations to Event Coordinator Dr. Vinoth Kumar K, Associate Professor, Department of EEE, NHCE & IEEE PELS NHCE SBC Advisor successfully organised this event.</p>	

Images



NEW HORIZON COLLEGE OF ENGINEERING

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

SPEAKER



Dr. Tobias Geyer

ABB Medium - Voltage Drives,
Switzerland



Jointly Organising

DISTINGUISHED LECTURE

on

**MODEL PREDICTIVE CONTROL IN
POWER ELECTRONICS: A CRITICAL
REVIEW AND RECENT INDUSTRIAL PRODUCTS**

CONVENOR

Dr. M. Mahesh

Professor and HOD - Dept. of EEE, NHCE

FACULTY COORDINATOR

Dr. Vinoth Kumar K

Associate Professor, Dept. of EEE, NHCE

CONTACT

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Online Platform:  zoom

Registration link: <https://forms.gle/cYLucqiTbdo9ntyF8>

Last Date of Registration: 28th September 2021

Free Registration

E-certificates will be provided to all the Participants

29th September 2021 @ 05:00 PM - 07:00 PM IST