

SEMINAR ANNOUNCEMENT

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
COLLEGE OF DESIGN AND ENGINEERING

Website: <https://cde.nus.edu.sg/ece>

Area: Control, Intelligent Systems & Robotics

Host: Professor Sam Ge Shuzhi

Teaching Webinar

TOPIC	:	Fourier Series Representation of Periodic Signals
SPEAKER	:	Dr. Bharadwaj Satchidanandan Postdoctoral Researcher, Laboratory for Information and Decision Systems Massachusetts Institute of Technology (MIT)
DATE	:	Friday, 24 March 2023
TIME	:	9.00AM to 10.00AM
WEBINAR	:	Join Zoom Meeting https://nus-sg.zoom.us/j/4156763801?pwd=NUwzUWhwdlZlcGt3cmhyTzFld1V0QT09 Meeting ID: 415 676 3801 Passcode: 662108

ABSTRACT

Ever since its discovery in the early 1800s, Fourier Series has had a profound impact on various branches of mathematics, science, and engineering. In this talk, we introduce the basic idea of Fourier Series, present a simple derivation of the Fourier series of a periodic signal, and time permitting, discuss some aspects of convergence. We conclude by stating Carleson's theorem, widely regarded as one of the monumental results of 20th century analysis.

BIOGRAPHY

Bharadwaj Satchidanandan is a postdoctoral researcher in the Laboratory for Information and Decision Systems at Massachusetts Institute of Technology (MIT), where he is hosted by Prof. Munther A. Dahleh. He obtained his Ph.D. from Texas A&M University in 2019 where he was advised by Prof. P. R. Kumar. His research interests include cyber-physical systems, security, renewable energy, mechanism design, control, communications, etc.

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