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CMR UNIVERSITY

Private University Established in Karnataka State by Act No. 45 of 2013

International Webinar

There's more to control systems than we think!

On

Saturday, September 05, 2020 – 4.00 P.M. to 5.30 P.M.

By

Ms. Janani Venkatasubramanian

Doctoral Student, International Max Planck Research School for Intelligent Systems, Pfaffenwaldring 9, 70569 Stuttgart, Germany.

Webinar Registration: <https://forms.gle/JP5RvKBUsq6pUpGVA>

Organized by:

**Department of Electronics and Communication Engineering
School of Engineering & Technology
CMR University (Main Campus),
Bengaluru. 562149**

About the CMR University

CMR University (CMRU) is a private university in the state of Karnataka, established and governed by the CMR University Act-2013. CMR University aims to promote and undertake the advancement of university education in technical, health, management, life sciences and other allied sectors of higher and professional education.

We believe that creativity is the key competence required to excel in our complex world where independent thinkers, product leaders, artists, designers and innovators are the need of the hour. Our students learn creative concepts and design thinking regardless of their area of study. CMR University fosters creative communities where new ideas can be nurtured, new discoveries made and new creations shared.

Overview of the Webinar

Human beings are capable of learning, reasoning, and carrying out complex tasks to achieve goals. Ever since the agricultural revolution, human beings have been seeking less mechanical realities by delegating routine tasks to machines. In this age of automation, how do we endow human-like capabilities to autonomous systems and robots? The means to achieve these goals typically demand the use of control systems that execute 'control strategies'. In our undergrad control systems course, we learn the fundamental concepts that are absolutely relevant in the industry to date and related jargon such as feedback and stability. In this presentation, let's get a sneak peek into the wide world of control systems from optimal to adaptive control techniques and finally zooming out to active research directions pursued by the control community.

Profile of the Speaker:

Janani Venkatasubramanian is a **PhD student at the University of Stuttgart in the International Max Planck Research School for Intelligent Systems**. Prior to this, **in 2018**, she completed her master's degree in **electrical engineering at TU Delft in the Netherlands**. Before that, she worked for almost **a year at the Aerospace department in IISc as a project assistant**. In 2015, she graduated with a **bachelor's degree in electronics and communication engineering from CMRIT, Bangalore**.

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