

**Department of Instrumentation and Control Engineering  
National Institute of Technology, Tiruchirappalli-620015**

NITT/ ICE/DA/2019

1<sup>st</sup> December 2019

**Lecture Series on “Sliding Mode Control”**

**Prof. Dr. –Ing. Johann Reger**, Control Engineering Group, Computer Science and Automation Dept., Technische Universität Ilmenau, Germany will be delivering the following lectures at NIT, Trichy as per the below schedule. **Interested faculty and students are requested to register their names through e-mail: [umapathy@nitt.edu](mailto:umapathy@nitt.edu) on or before 4.12.2019, 4.30 pm.** For all the registered students’ certificate of participation signed by Prof. **Dr. –Ing. Johann Reger** will be given. There is no registration fee.

**Venue: Seminar Hall, ICE Department**

**Schedule:**

Date and Time	Title of the Talk
5.12.2019 10.30am-11.30 am	Exact back-stepping of systems in pure-feedback form by dynamic extensions
5.12.2019 2.30 pm-3.30 pm	Parameter and state estimation using the modulating functions approach
6.12.2019 10.00 am-11.00 am	Adaptive sliding-mode control based on the certainty equivalence principle
6.12.2019 11.15 am -12.30 pm	Discussion with focused group of faculty and Students

**About the speaker:** <https://www.tu-ilmenau.de/regelungstechnik/mitarbeiter/johann-reger/>

Dr. M. Umapathy  
Professor, ICE