



**Department of Mathematics
University of Delhi**

Cordially invites you to an Invited talk on

Differential Geometry and Lie Groups in Engineering

Speaker: Ravi N. Banavar,
Institute Chair Professor,
Systems and Control Engineering, IIT Bombay



Abstract: The talk will provide a gentle introduction to the topic of differential geometry and Lie groups, and an exposure to a few applications that are most naturally viewed in this framework. These include consensus, coordination and synchronization amongst multi agents, numerical integration over non-Euclidean domains and optimal control. I shall also introduce the "Systems and Control Engineering" group of IIT Bombay to the audience, and the opportunities that the group provides to students with a background in Physics and Mathematics, who are interested in pursuing a doctoral degree.

Date: February 16, 2024

Time: 3:00 PM

Venue: Seminar Room, Ground Floor
Department of Mathematics

Dr. Anuj Bishnoi
Co-ordinator

Prof. Ruchi Das
Head, Department of Mathematics