

Motion Control and Haptics Research Group

ISE
116A-B



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This group is led by Dr. Harsha Abeykoon who is attached to the Dept. of Industrial Systems Engineering of the AIT. This research group focuses on precise motion control technologies which are essential in robotics. We commonly use Reaction Torque Observer (RTOB) and Disturbance Observer (DOB) to achieve robust motion control. We have successfully developed and applied motion control techniques to tele-operation, rehabilitation, vehicle stability control and mobile robot navigational applications. We hope to expand the horizons of research for the betterment of the society.