발표자: 임영훈

Title: Consensus of multi-agent systems with saturations

Abstract:

Consensus provides an analysis of collective behavior in nature, formation of UAVs, and so on. The goal of consensus is to reach an agreement among multiple agents. By the consensus, we can achieve a collective behavior in a group. In practice, mechanical systems contain a lot of saturations such as actuator saturation, sensor saturation, and so on. Therefore, it is not always possible to achieve the consensus. This talk reviews some recent progress in consensus control problem under saturations. The main topics include consensus analysis and control under sensor and interconnection saturations, and applications of consensus control. At last, the talk also indicates some open problems in this field.