

# Autonomous Behavior in Cyberphysical Systems

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Cyberphysical systems (CPS) are widespread in their prevalence today, and it is expected that they will be ubiquitous in the near future. The levels of autonomy expected from CPS is also simultaneously increasing. This talk will focus on the various shades of autonomous behaviors that may be exhibited by such systems, and some of the technology enablers of such autonomy. Particularly, the focus will be on two key aspects of CPS central to autonomy: planning and execution. Further, the talk will explore ideas of trust, safety and ethics, which are critical to the large scale adoption of CPS.