

# *Safety Verification Using Barrier Functions for Interconnected Control Systems*

This seminar focuses on:

- Briefly:
  - Safety;
  - Barrier Functions (Certificates).
- Mainly;
  - Reviewing some existing results about Barrier Functions for Interconnected continuous-time Control Systems.
  - Using sum of squares programming or linear programming to compute barrier functions for a given example of Interconnected continuous-time control systems;

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