

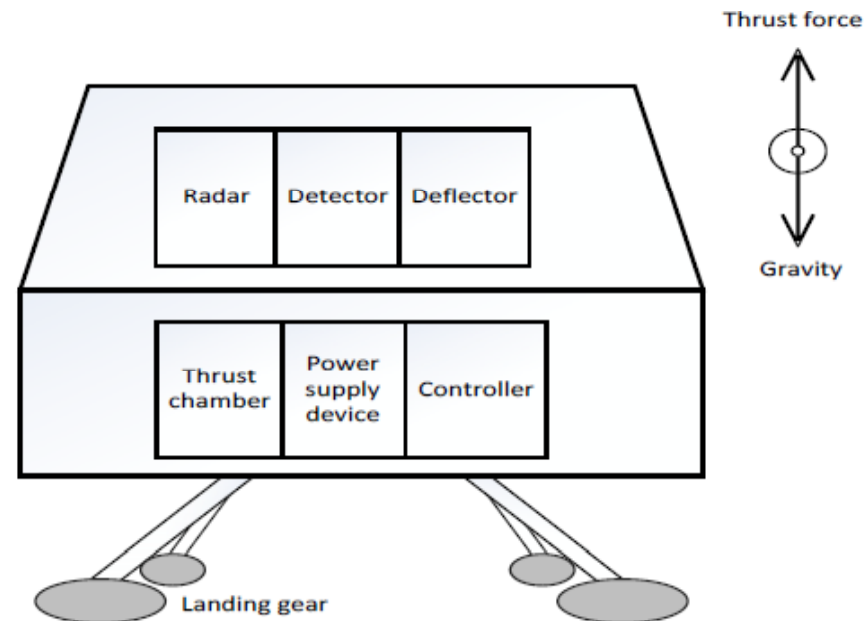
# AADL+ : a simulation-based methodology for cyber -physical systems

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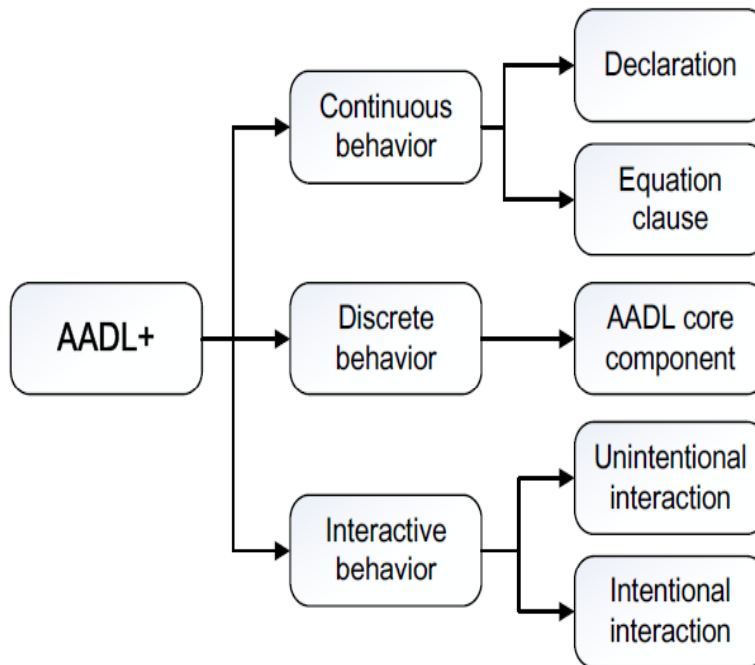
# Problems & Ideas

- Problems: How to describe the behavior of CPSs
  - Modeling of the discrete and continuous behavior of CPSs
  - Modeling of interaction between cyber and physical components
- Ideas: modeling CPS with extended AADL
  - Extending AADL to model the lunar rover control system
  - Analyzing the model with Modelica and Cheddar



# Main Contributions

- Framework of AADL+



- Features of the tool

