

Our research focuses on model-based development, integrating simulation and control engineering for mechanical systems. First, we build the target model, then we perform a simulation and use the results for optimal design.

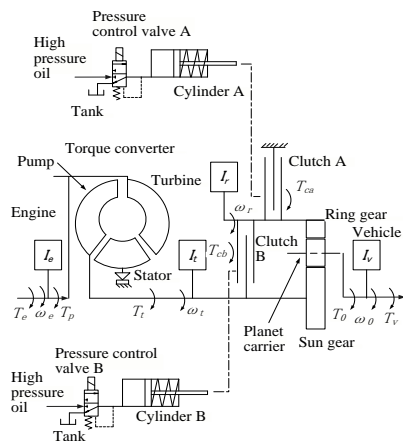
Modeling

Mechanical System

Control

Mathematical modeling  
& Simulation

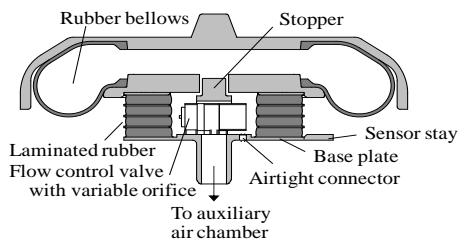
Classical, modern, and  
robust control



Automatic Transmission



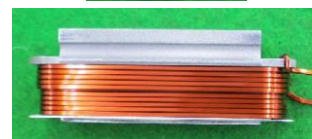
Water-hydraulic molding press



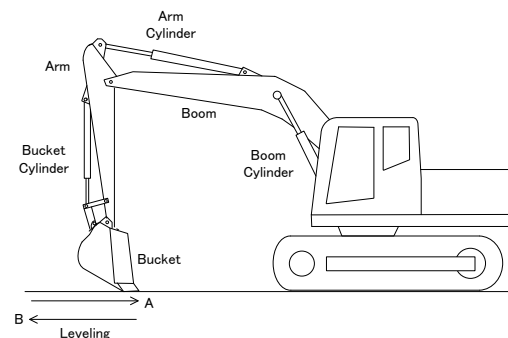
JR passenger car suspension



Electronic control of  
fuel injection for marine engine



Next-generation square wire wound motor



Next-generation construction machinery