

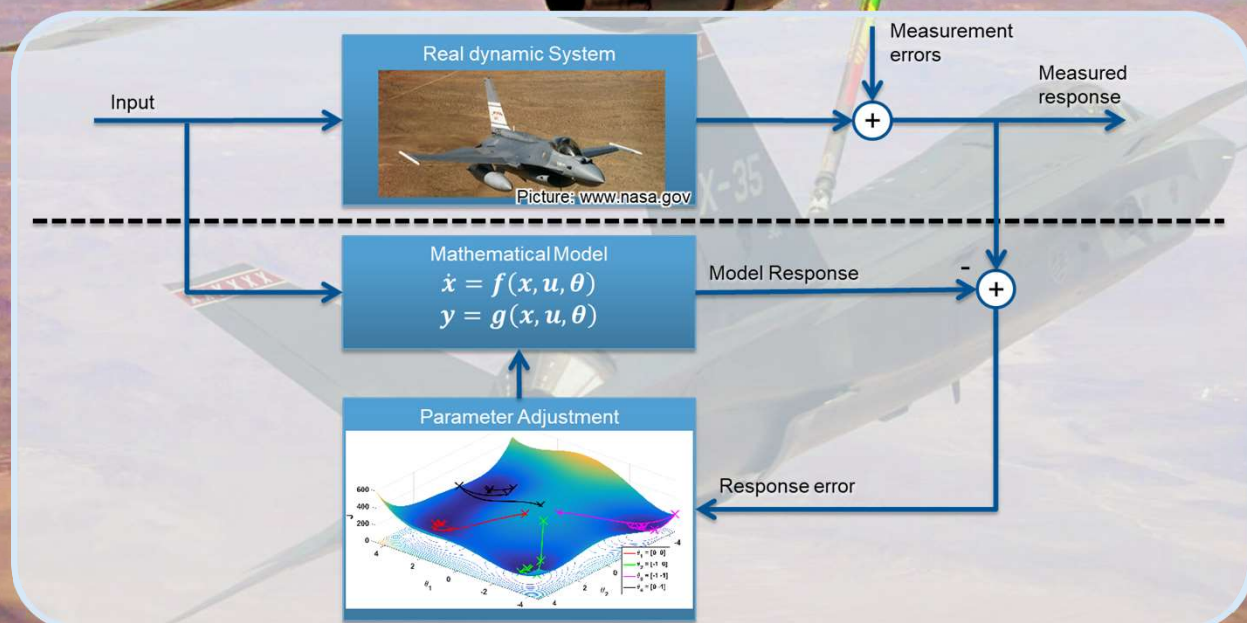
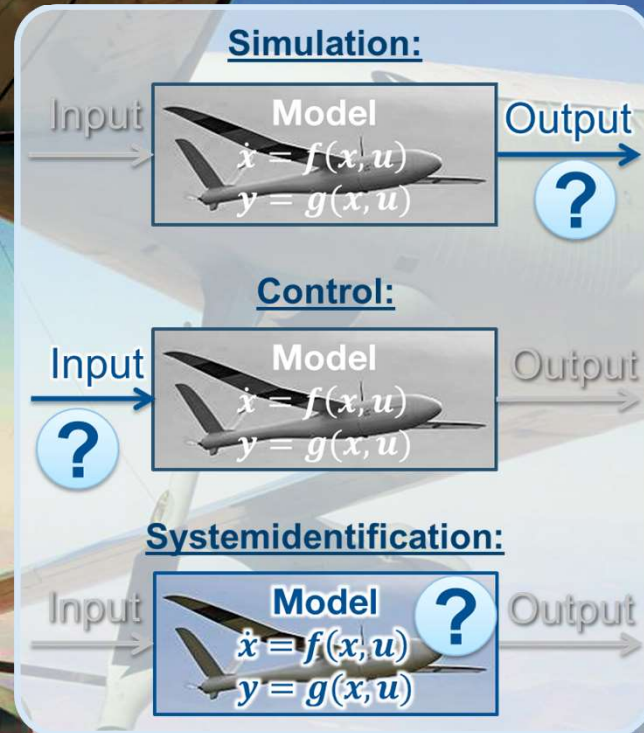
# Supplementary Course (Ergänzungsfach) System Identification

Prof. Dr.-Ing. Florian Holzapfel

## Content:

- Instrumentation
- Modeling
- Estimation theory
- Identification of static systems
- Identification of dynamic systems
  - State estimation
  - Maximum Likelihood methods
  - Frequency domain methods
- Online identification
- Experiment design
- Model validation

Most of the examples are in the field of flight vehicle system identification. However, no prior knowledge of flight system dynamics is required.



## Further Information:

Time: Tuesdays 8.15-9.45 Uhr  
Place: MW3618  
Credits: 3 ECTS (2 SWS)

Internet: [www.fsd.mw.tum.de](http://www.fsd.mw.tum.de)  
Email: [barzin.hosseini@tum.de](mailto:barzin.hosseini@tum.de)  
Tel.: 089 289 16065

Lehrstuhl für  
Flugsystemdynamik  
Boltzmannstraße 15  
85748 Garching