

# Topics on System Identification

# Groups

Group	Room	Moderator
1	TCPL201	Mark Balas
2	TCPL202	Daniel Burgath
3	TCPL Foyer	Clemens Muller
4	TCPL107	Daniel Oi

Feedback session in 201 moderated by Frank Langbein.

# Questions

## ➤ Topics on System Identification

- Bayesian estimation
  - Full Bayesian learning and approximations
  - Compressed sensing
- Spectroscopy vs Bayesian estimation
- Role of Control (Open Loop & Feedback) in Quantum Technologies / for system identification
- Role of modelling for estimation
  - What models to use?
  - What to estimate?
- Optimisation methods for system identification (bad landscape)
- Characterisation of environment and effect of control on environment