

MPC Summer School Schedule: July 25–28, 2017, Madison, WI

- 08:00 – 08:15 Registration and local arrangements queries
- 08:15 – 08:45 Introductions
- 08:45 – 10:00 Essentials of MPC (Levine)
- 10:00 – 10:45 Break and address software installation
- 10:45 – 12:00 Essential of MPC (Levine)
- Day 1 12:00 – 13:00 Lunch
- 13:00 – 14:30 Classical MPC: regulation, estimation, and disturbance models (Rawlings)
- 14:30 – 15:00 Break
- 15:00 – 16:30 Classical MPC: regulation, estimation, and disturbance models (Rawlings)
- 16:30 – 17:00 Break
- 17:00 – 18:00 Software installation, **CasADi** consulting, and project work

- 08:30 – 09:45 Online Optimization for MPC (Biegler)
- 09:45 – 10:15 Break
- 10:15 – 11:30 Online Optimization for MPC (Biegler)
- 11:30 – 12:45 Lunch
- 12:45 – 14:00 Industrial applications of MPC (Badgwell)
- Day 2 14:00 – 14:30 Break
- 14:30 – 15:45 Industrial applications of MPC (Badgwell)
- 15:45 – 16:15 Break
- 16:15 – 18:00 **CasADi** consulting and project work
- 18:00 – 18:30 Break
- 18:30 – 22:00 Summer school banquet

- 08:30 – 09:45 Robust MPC (Rakovic)
- 09:45 – 10:15 Break
- 10:15 – 11:30 Robust MPC (Rakovic)
- 11:30 – 12:45 Lunch
- Day 3 12:45 – 14:00 Stochastic MPC (Kolmanovsky)
- 14:00 – 14:30 Break
- 14:30 – 15:45 Stochastic MPC (Kolmanovsky)
- 15:45 – 16:15 Break
- 16:15 – 18:00 **CasADi** consulting and project work

- 08:30 – 09:45 Economic MPC (Angeli)
- 09:45 – 10:15 Break
- 10:15 – 11:30 Economic MPC (Angeli)
- 11:30 – 12:45 Lunch
- Day 4 12:45 – 14:45 Project presentations
- 14:45 – 15:15 Break
- 15:15 – 17:15 Project presentations
- 17:15 – 18:30 Break
- 17:30 – 18:00 Closing session: course summary and evaluations