

Control and system theory

General explanation on the lecture,

Fundamental knowledge

on control

FUJIMOTO, Hiroshi The University of Tokyo *Control and System Theory Friday 14:55–16:40*



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Schedule and contents

12-13 lectures by 6 professors from System Control Group in EE
4/6 Fujimoto: 1) Syllabus, 2) General explanation on the lecture, 3) fundamental knowledge on control
4/26 Hori: Future vehicles will run by motor, capacitor and wireless (1) (2)
4/26 Fujimoto: Basic Theory and Application of Multirate Sampling Control
5/10 Hashimoto: Spacecraft control (1): Control system overview
(5/17 No class. Please visit Open Labs in Hongo)
5/24 Hashimoto: Spacecraft control (2): Lessons learned from real operation
5/29 Ohnishi: Basics of two degrees of freedom control (1)
5/31 Ohnishi: Basics of two degrees of freedom control (2)
6/7 Sakai: Spacecraft control (3): Estimation 1, Kalman filter 1

6/14 Sakai: Spacecraft control (4): Estimation 2, Kalman filter 2

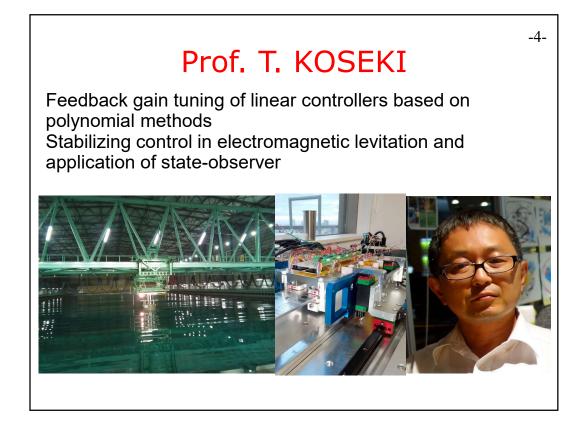
6/21 Koseki: A practical approach to design a feedback controller and its application to Maglev (1)

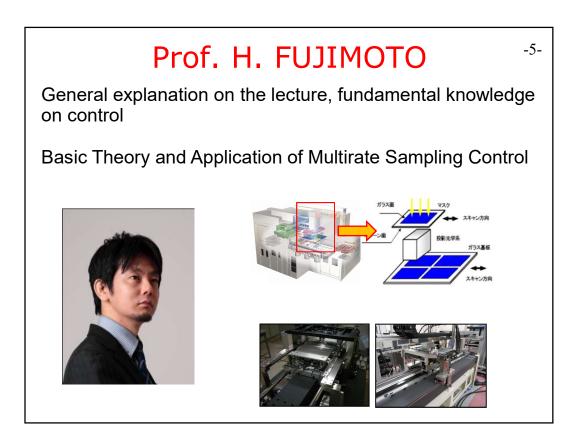
6/28 Koseki: A practical approach to design a feedback controller and its application to Maglev (2)

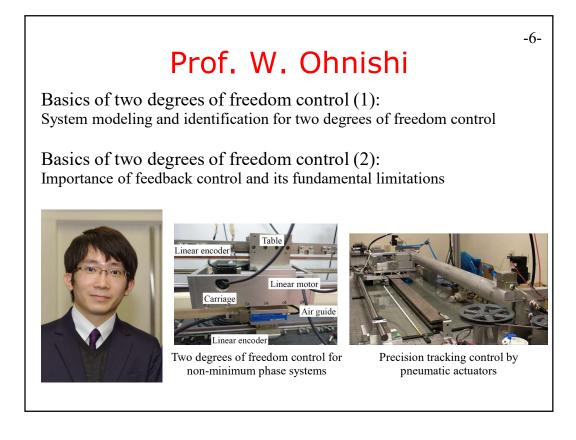
7/5 Fujimoto and Takeda: Modeling and Control of Electric Circuit for Wireless Power Transfer

7/12 Reserved





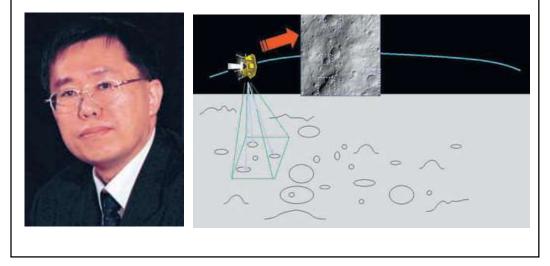




Prof. T. HASHIMOTO ISAS

Spacecraft control: Control system overview

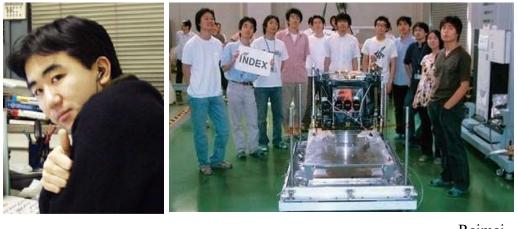
Spacecraft control: Lessons learned from real control



Prof. S. SAKAI *ISAS*

Spacecraft control: Estimation

Spacecraft control: Controller design, implementation & test



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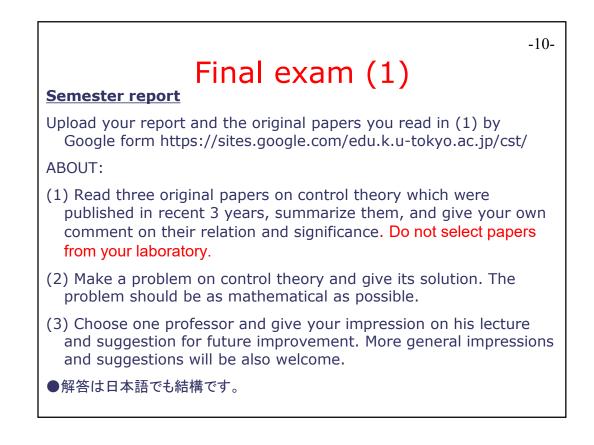
Mr. K. Takeda

Modeling and Control of Electric Circuit for Wireless Power Transfer









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Final exam (2)

Semester report

Deadline: July 17th, 2019

•The google form will be appear on https://sites.google.com/edu.k.u-tokyo.ac.jp/cst/ The form will be checked on July 17th.

•We will upload the list of acceptance with student ID in the web by July 21st. Please confirm it.

•If your name is missing, please send it again by July 24th.

·Contact: csreport@koseki.t.u-tokyo.ac.jp

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