高 等 模 糊 控 制
(Advanced Fuzzy Logic Control)

Topic 1：Introduction to Fuzzy Set

Topic 2：Design of Fuzzy Logic Controller (FLC)

Topic 3：Case Study: A 2nd-order Plant

Topic 4：Appliances: Washing-Machine, Electronic Rice Cooker

Topic 5：Applications of FLC

Topic 6：Fuzzy Set Theory

Topic 7：Introduction to Genetic Algorithm and GA based FLC Design

Topic 8：Fuzzy Relations

Topic 9：Pattern Recognition via Fuzzy Sets

Topic 10：Fuzzy Implications

Topic 11：Fuzzy + PID

Topic 12：Self Organized FLC

Topic 13：Design of Lyapunov Function Based Fuzzy Logic Controller

Topic 14：Parallel Fuzzy Sliding Mode Control of the Cart-Pole System

Topic 15：Design of FLCs for Car-Like Mobile Robot

Topic 16：Takagi-Sugeno Fuzzy Control System

Topic 17：Related Problem Discussions & Oral Presentation

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