POLITECNICO DI MILANO - SEDE DI COMO

MODEL IDENTIFICATION AND ADAPTIVE SYSTEMS

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Academic year 2017/18
Final Exam – June 20, 2018

Answer the following questions:

1) Explain the model reference approach to adaptive control (MRAC).

2) Illustrate the Filtered-e LMS (FeLMS) algorithm.

3) Illustrate the role of the innovation in the Kalman filter.

4) Describe the architecture of an artificial neural network.

Instructions:

- Report your name and identification number on the top right corner of the first page.

- Use separate pages for answers to different questions (one page for each question).

- Books, course slides, notes are not allowed, as well as the use of communication devices (e.g. smartphones).