

第2回制御理論ワーキングセミナー

日時：2012年9月13日（木） 15:00 ~ 16:00

会場：愛知県名古屋市千種区不老町

名古屋大学工学研究科2号館 221講義室

(キャンパスマップ：<http://www.nagoya-u.ac.jp/global-info/access-map/higashiyama/>)

講師： Prof. Sergio Bittanti

Politecnico di Milano (Technical University of Milan), Italy

Title: System identification and control: a fruitful cooperation over half a century, and more

Outline:

In the seminar the main methods of system identification, as they developed in the field of control science and technology over more than 50 years, are outlined. This will be made by focusing on a paradigm problem: the estimation of an unknown parameter in a given physical model, frequently encountered in control applications. We will see the results obtained with Prediction Error methods and with Kalman filtering methods, by taking into account both the consistency and computational burden. Then we introduce a new method called the Two Stage method, and we compare the results with those achievable with the previously mentioned techniques.

委員長 田崎 勇一 (名古屋大学)