

## Session 4.3

### Estimation and Adaptive Control

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#### **Tuning an Adaptive Controller using a Robust Control Approach**

J. Huebsch and H. Budman  
*University of Waterloo*

#### **Parameter Convergence in Adaptive Extremum Seeking Control**

V. Adetola and M. Guay  
*Queen's University*

#### **Geometric Estimation of Ternary Distillation Columns**

A. Pulis, C. Fernandez, R. Baratti, and J. Alvarez  
*Universidad Autonoma Metropolitana-Iztapalapa*

#### **Finite Time Observer for Nonlinear Systems**

F. Sauvage, M. Guay and D. Dochain  
*Queen's University*  
*Universite Catholique de Louvain*

#### **Dynamic Estimation and Uncertainty Quantification for Model-Based Control of Discrete Systems**

J. Gândara, B. Duarte and N. M. C. Oliveira  
*Universidade de Coimbra*

