Session 1.1

Applications of State Estimation and Monitoring

Monitoring the Physiological State of Mammalian Cell Perfusion Processes by On–Line Estimation of Intracellular Fluxes

O. Henry, A. Kamen and M. Perrier,
Ecole Polytechnique de Montreal

Observer Design using Boundary Injections for Pipeline Monitoring and Leak Detection

O. M. Aamo, J. Salvesen and B. A. Foss,
Norwegian University of Science and Technology

First Principles Invariants for Asymptotic Observers in Chemical Reactors

F. Couenne, C. Jallut and D. Dochain,
Université Claude Bernard Lyon
Universite Catholique de Louvain Batiment

Control of Continuous Reactors with Non–Monotonic Reaction Rate

J. Alvarez, J. Diaz–Salgado and J. Moreno,
Universidad Autónoma de Madrid

Rotary Kiln Product Quality Forecasting Based on Flame Imaging

C. Duchesne, A. Desbiens and G. Szatvanyi,
Universite Laval