

Session 4.1

Biomedical Systems Modeling, Analysis and Control

Identification of Linear Dynamic Models for Type 1 Diabetes: A Simulation Study

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University of California, Santa Barbara

Dynamic Modeling of Exercise Effects on Plasma Glucose and Insulin Levels

A. Roy and R. S. Parker
University of Pittsburgh

Pathways for Optimization-Based Drug Delivery Systems and Devices

L. Bleris, P. Vouzis, M. V. Arnold and M. V. Kothare,
Lehigh University

Flexible Run-to-Run Strategy for Insulin Dosing in Type 1 Diabetic Subjects

C. C. Palerm, H. Zisser, L. Jovanovic and F. J. Doyle, III
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Nonlinear Model Predictive Control for Optimal Discontinuous Drug Delivery

N. Hudon, M. Guay, M. Perrier and D. Dochain
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