

Session 6.1

Modeling and Identification

Control Orientated B-Spline Modelling of a Dynamic MWD System

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Prediction of Glycosylation Site-Occupancy Using Artificial Neural Networks

R. S. Senger and M. N. Karim
Texas Tech University

Real Time Tracking of Ladle Furnaces: An Analytical Approach

J. R. Zabadal, R. L. Garcia, and M. G. Salgueiro
Universidade Federal do Rio Grande do Sul

Solving Water Pollution Problems Using Auto-Bäcklund Transformations

J. R. Zabadal, R. L. Garcia, and M. G. Salgueiro
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Identification of Uncertain Wiener Systems

J. Figueroa, S. Biagiola and O. Agamennoni
Universidad Nacional del Sur

A Comparative Study of Prediction of Elemental Composition of Coal using Empirical Modelling

A. Saptoro, H.B. Vuthaluru and M.O. Tade
Curtin University of Technology

Energy Based Discretization of an Adsorption Column

A. Baaiu, F. Couenne, L. Lefevre, Y. Le Gorrec and M. Tayakout
Université Lyon
Le Centre National de la Recherche Scientifique

Inference of Oil Content in Petroleum Waxes by Artificial Neural Networks

A. D. M. Lima, D. do C.S. Silva, V. S. Silva and M. B. De Souza Jr.
Petrobras

Short and Long Timescales in Recycles

H. A Preisig

Norwegian University of Science and Technology

Finite Automata from First-Principle Models: Computation of Min and Max Transition Times

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Neural Modeling as a Tool to Support Blast Furnace Ironmaking

F. Tadeu, P. de Medeiros, A. Pitasse da Cunha and A. M. F. Fileti

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University of Campinas

MetalFlexi

An Inverse Artificial Neural Network Based Modelling Approach for Controlling HFCs Isomerization Process

M. Yuceer and R. Berber

Ankara University

An Algorithm for Automatic Selection and Estimation of Model Parameters

A. R. Secchi, N. S. M. Cardozo, E. Almeida Neto and T. F. Finkler

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Rigorous and Reduced Dynamic Models of the Fixed Bed Catalytic Reactor for Advanced Control Strategies

E. C. Vasco de Toledo, J. M. F. da Silva, J. F. da C. A. Meyer,

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