Short Course On

NONLINEAR SYSTEM MODELING AND DATA ANALYSIS USING LYSIS

May 14–15, 1993
Marina International Hotel
4200 Admiralty Way
Marina del Rey, California

Sponsored by
BIOMEDICAL RESEARCH TECHNOLOGY PROGRAM
NATIONAL CENTER FOR RESEARCH RESOURCES
NATIONAL INSTITUTES OF HEALTH

Chairman and Organizer: Vasilis Z. Marmarelis, Ph.D.
Co-Director, Biomedical Simulations Resource
Invited Lecturer: Michael Korenberg, Ph.D.
Queen’s University, Ontario, Canada
BMSR Lecturers: Spiridon H. Courellis, Ph.D.
Ki H. Chon, Ph.D.
DAY 1

Friday, May 14, 1993

9:00 – 10:00 Introduction to nonlinear system modeling and the use of LYSIS (Marmarelis)

10:00 – 10:15 Coffee Break

10:15 – 11:30 Computer demonstrations of LYSIS (Marmarelis, Courellis)

11:30 – 1:00 Lunch Break

Practice sessions on LYSIS

1:00 – 2:00 I. Nonparametric system modeling and time-series data analysis (Marmarelis, Courellis)

2:00 – 3:00 II. Parametric system modeling and time-series data analysis (Marmarelis, Courellis)

3:00 – 4:30 III. Analysis of real data (Marmarelis, Chon)
DAY 2

Saturday, May 15, 1993

9:00 – 10:00  Fast orthogonalization techniques for system modeling and time-series data analysis (Korenberg)

10:00 – 10:15  Coffee Break

10:15 – 11:30  Computer demonstrations of fast orthogonalization techniques (Korenberg, Chon)

11:30 – 1:00  Lunch Break

1:00 – 2:00  LYSIS: assessment of capabilities/limitations and future plans

2:00 – 2:15  Coffee Break

2:15 – 3:00  Open Discussion

3:00 – 4:00  Open Practice Sessions

4:00 – 5:30  Reception Crystal Fountain Patio
BIOMEDICAL SIMULATIONS RESOURCE
UNIVERSITY OF SOUTHERN CALIFORNIA

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