MARC HARVEY MEHLMAN

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PRESENT AFFILIATION: Associate Professor
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University of New Haven
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Adjunct Professor
Institute of International Education
Korea University
Anam-Dong, SeongbukGu, Seoul
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CURRENT INTERESTS: Probability, Statistical Inference and Analysis

DATE OF BIRTH: 16 July 1951

EDUCATIONAL HISTORY: Ph.D., University of California, Riverside
March, 1990; Mathematics
M.A., University of California, Riverside
June, 1974; Mathematics
B.A., University of California, Santa Barbara
June, 1973; Mathematics

FAMILY STATUS: Single

PROFESSIONAL AFFILIATIONS: American Mathematical Society
International Indian Statistical Association

WORK EXPERIENCE:

7/07–Present Adjunct Professor at Institute of International Education at Korea University

9/01–Present Associate Professor at University of New Haven

9/96-9/02 Associate Professor at University of Pittsburgh at Johnstown

9/90-9/96 Assistant Professor at University of Pittsburgh at Johnstown

6/90-9/90 Research Associate; Department of Mathematics, U.C., Riverside; Riverside, CA 92521

4/90-6/90 Lecturer; Department of Mathematics, U.C., Riverside; Riverside, CA 92521

4/87-4/90 Research Assistant; Department of Mathematics, U.C., Riverside; Riverside, CA 92521

10/85-9/90 Consultant; Lawrence Livermore Laboratories, Livermore, CA 94550 *Development of a large molecular simulation program*

6/87-9/87 Member of the Technical Staff; Hughes Aircraft Company, P.O Box 913; El Segundo, CA 90245 *Designed, ran and analyzed an image processing experiment concerning accuracy of a target recognizer*

10/85-4/87 Teaching Assistant; Department of Mathematics, U.C., Riverside; Riverside, CA 92521

6/86-9/86 Member of the Technical Staff; Hughes Aircraft Company, P.O Box 913; El Segundo, CA 90245 *Aided in designing, running and analyzing an image processing experiment*

9/81-9/85 Mathematician/Computer Scientist; Lawrence Livermore Laboratories, Livermore, CA 94550 *Developed computer programs and worked with Fast Fourier Transforms, Space Scale Filtering, plus various algorithms*

4/81-6/81 Mathematics Instructor at Chabot Community College, 25555 Hesperian Boulevard; Hayward, CA 94545

PUBLICATIONS:

Moving Average Representation and Prediction for Multidimensional Harmonizable Processes M. H. Mehlman; *Stochastic Processes and Functional Analysis: A Volume of Recent Advances in Honor of Professor M. M. Rao*, edited by Alan C. Krinik and Randall J. Swift, Marcel Dekker, Pure and Applied Mathematics, Vol. 238, 265–276, 2004

Some Properties of Harmonizable Processes M. H. Mehlman; *Advances on Methodological and Applied Aspects of Probability and Statistics*, edited by N. Balakrishnan, Taylor & Francis Publishers, pages 49–56, 2002

Prediction and Fundamental Moving Averages for Discrete Multidimensional Harmonizable Processes, M. H. Mehlman; *Journal of Multivariate Analysis*, Vol. 43, No. 1, 147–170 Oct 1992

Structure and Moving Average Representation for Multidimensional Strongly Harmonizable Processes, M. H. Mehlman; *Stochastic Analysis and Applications*, 9(3), 323-361 (1991)

Automated Complexity Profilers, M. H. Mehlman, *Interdepartmental Correspondence, Ref #727116* Hughes Aircraft Company, September, 1986

Microscopic Simulations of Shock Propagation in Condensed Media: Comparison between real time and Frequency Domains, A. M. Karo, J. R. Hardy and M. H. Mehlman, *15th International Symposium on Shock Waves and Shock Tubes, University of California, Berkeley*; July, 1985

TITLE OF DISSERTATION: Moving Average Representation and Prediction for
                            Multidimensional Strongly Harmonizable Processes
DISSERTATION ADVISOR: Professor M. M. Rao

REVIEWS:

On David Salsburg's "The Lady Tasting Tea", M. H. Mehlman, Mathematical Association of America's Online Reviews (see www.maa.org/reviews/ladytea.html). 2002

IN PREPARATION:

Probability and Mathematical Statistics, M. H. Mehlman, a calculus based introductory book.

Visualizing Markov Chains, M. H. Mehlman (in preparation for a teaching journal)

TALKS:

Structure and Moving Average Representation for Strongly Harmonizable Processes, Colloquim Talk for the Department of Mathematics and Statistics at University of Sydney (in Australia) on May 21, 2009.

A Brief History of Statistics, Colloquium Talk for the Department of Mathematics at the University of Pittsburgh, Johnstown. January 13, 2005.

Structure and Moving Average Representation for Strongly Harmonizable Processes, Colloquium Talk for the Department of Statistics at the University of Connecticut, Storrs. September 29, 2004.

Moving Average Representation and Prediction for Multidimensional Harmonizable Processes, *Fourth Biennial International Conference on Statistics, Probability and Related Areas*, sponsored by the *International Indian Statistics Association*; at DeKalb, Illinois, June 14–16 2002. Invited Session: Non–Stationary Random Processes

Some Properties of Harmonizable Processes, *International Indian Statistics Association Conference, 1998 at Hamilton, Ontario, Canada, October 10–11, 1998*. Invited Session: Stochastic Processes and Stochastic Differential Equations.

Prediction and Moving Average Representation for Strongly Harmonizable Processes, *The 882nd Meeting of the American Mathematical Society at Northern Illinois University, DeKalb, Illinois, May 20–23 1993*. Special Session on Stochastic Processes.

Structure and Moving Average Representation for Strongly Harmonizable Processes, *The 865th Meeting of the American Mathematical Society Meeting at the University of South Florida, Tampa, Florida, March 22–23, 1991*. Special Session: Probability on Algebraic and Topological Structures.

OTHER INTERESTS: Hiking, Cross-Country Skiing, Travel, Photography, Computers