

Biographical Sketch: Louis Narens

(a) Professional Preparation:

University of California, Los Angeles Mathematics BA 1963
University of California, Los Angeles Mathematics Ph.D 1970

(b) Appointments:

1979–Present Professor of Cognitive Science, University of California, Irvine
1991 Guest Professor, Universität der Heidelberg
1987–1988 Fellow, Institute for the Advance Study in the Behavioral Sciences,
Stanford
1975–1979 Associate Professor of Psychology, University of California, Irvine
1972–1975 Assistant Professor of Psychology, University of California, Irvine
1972 Lecturer in Psychology, University of California, Irvine, and
Lecturer in Philosophy, University of California, Los Angeles

(c) Publications

Related to Current Proposal

- (1) Komarova, N. L., Jameson, K. A., & Narens, L. Evolutionary models of color categorization based on discrimination. Under review, *Journal of Mathematical Psychology*.
- (2) Narens, L. & Mausfeld R. On the relationship of the psychological and the physical in psychophysics. *Psychological Review*, 99, 1992, 467-479.
- (3) Narens L. *Abstract Measurement Theory*. The MIT Press, 1985.
- (4) Narens L. *Theories of Meaningfulness*. Lawrence Erlbaum Associates, 2002.
- (5) Narens L. *An Introduction to the Theories of Measurement and Meaningfulness*. In press, Lawrence Erlbaum Associates. Expected publication date, February, 2007.

Other Significant Publications

- (1) Narens, L. & Luce, R. D. How we may have been misled into believing in the intercomparability of utility. *Theory and Decision*, 15, 1983, 247–260.
- (2) Narens, L. The cores of dense exchange economies. *Mathematical Social Sciences*, 25, 1992, 277–292.
- (3) Luce, R. D. & Narens, L. Measurement scales on the continuum. *Science*, 236, 1987, 1527–1532.
- (4) Nelson, T. O., Narens, L. & Dunlosky, J. A revised methodology for research on metamemory: pre-judgment recall and monitoring (PRAM). *Psychological Methods*, 9, 2004, 53–69.
- (5) Narens, L. A theory of belief. *Journal of Mathematical Psychology*, 47, 2003, 1–31.

(d) Synergetic Activities:

1987-1988. Co-organized with R. Duncan Luce of Harvard University a Special Project on the Foundations of Measurement at the Center for Advanced Study in the Behavioral Sciences at Stanford. The Project was very successful and led directly to the founding of the Institute for Mathematical Behavioral Science at the Irvine Campus of the University of California.

1990-1995. Investigator on a NSF sponsored research and training program in mathematical behavioral sciences (R. Duncan Luce Principal Investigator). I organized a month long workshop in mathematical psychology for junior mathematical psychologists. As part of this I organized four international conferences on the workshop topics. I also participated in many other activities of the research and training program.

1997. Gave 10 hours of lectures to the NSF sponsored Workshop in Mathematical Psychology held at UCI.

1987-Present. Organized or Co-Organized approximately 20 international workshops and conferences in the United States and Europe. The workshops were in the fields of measurement theory and mathematical psychology. The measurement theory workshops were designed to transfer methods and mathematical theory between measurement theorists, psychologists, economists, mathematicians, and philosophers. The mathematical psychology workshops were primarily designed to improve junior mathematical psychologists knowledge of the latest developments in mathematical psychology. The conferences were in four different areas: measurement theory, mathematical psychology, philosophy of science, and most recently, decision theory and evolutionary game theory.

(e) Collaborators and Other Affiliations

(i) Collaborators: R. Duncan Luce (Cognitive Sciences, UCI) Donald Saari (Economics and Mathematics, UCI) Brian Skyrms (Logic and Philosophy of Science, UCI) Thomas Nelson (deceased, Psychology, University of Maryland) Petra Scheck (CASL, University of Maryland) John Dunlosky (Psychology, Kent State University) Kimberly Jameson (Institute for Mathematical Behavioral Sciences, UCI) Ragnar Steingrimsen (Institute for Mathematical Behavioral Sciences, UCI), Natalia Komarova (Mathematics, UCI)

(ii) Graduate and Postdoctoral Advisors: Abraham Robinson (deceased, Mathematics, Yale University) was Narens' Ph.D thesis adviser.

(iii) Thesis Adviser and Postgraduate-Scholar Sponsor. *Current Graduate Students:* G. Block (Cognitive Sciences, UCI), R. Johnson (Mathematical Behavioral Sciences, UCI). *Students Awarded Ph.D Degrees:* J.B. Cohn (Psychiatry, UCLA), M. Wikler (Social Work, University of Wisconsin), Sal Mennuti (Psychology, State of California), J. Kaiwi (SPAWARSYS Center, Point Loma, CA), S. Peelor (Consultant for Industry), J. Proctor (Psychology, UCIMC), S. Cooperman (Psychology, UCIMC), P. Tuchman (Consultant for Industry), N. Noviello (School of Social Sciences, UCI), A. Brothers (Battelle Pacific Northwest National Laboratory), N. Alvarado (Psychology, California State Polytechnic University, Pomona), V. Lee (Peace Corps, United States Government), Y. Inagaki (Neuroscience, UCI), S. Guy (Consultant for Industry). Total number of graduate students advised: 16. Total number of postdoctoral scholars sponsored: 0