

Authors

John M. Carroll

Research Division, Yorktown Heights, New York

Dr. Carroll has been a research staff member at the IBM Thomas J. Watson Research Center since 1977. His research has been concerned with the analysis of basic cognitive skills and capacities that underlie human behavior and experience. He is author of *Toward a Structural Psychology of Cinema* and coeditor of *The Study of Language in Cognitive Science*, the proceedings of an interdisciplinary conference held at the Research Center. He received B.A. degrees in information science and in mathematics from Lehigh University in 1972, and a Ph.D. degree from Columbia University in 1976. During 1980-1981, Dr. Carroll is a National Science Foundation Fellow visiting the Department of Linguistics and Philosophy at the Massachusetts Institute of Technology.

Robert A. Dassinger

Field Engineering Division, Raleigh, North Carolina

Mr. Dassinger joined IBM in 1968, and he is currently a staff operations research analyst doing design and development of administrative and management support applications for the Field Engineering Division. He received a B.S. degree in psychology from De Paul University and an M.S. degree from North Carolina State University. Before joining IBM, Mr. Dassinger was a research assistant for the Leo Brunett Company, Chicago, Illinois.

Richard S. Hirsch

General Products Division, San Jose, California

Dr. Hirsch joined IBM in 1956 as a research psychologist in the Research laboratory at San Jose. In 1959 he became manager of the Human Factors and Computation laboratories of IBM's Advanced Systems Development Division in San Jose. In 1972 he established the interdivisional facility known as the Human Factors Center in San Jose of which he is currently manager. Dr. Hirsch received his B.A. degree in 1942 from the University of Minnesota and his M.A. in 1947 and his Ph.D. in 1950 from Stanford University.

James Mann Judisch

Information Systems Division, Rochester, Minnesota

Dr. Judisch joined IBM in 1969 and has worked in the field of human factors since that time. He is currently an advisory psychologist in Human Factors Engineering. He received a B.S. degree in 1962 and an M.S. degree in 1963 from Iowa State University, and he received his Ph.D. degree from The Pennsylvania State University in 1969. In 1963, Dr. Judisch was an instructor in the Psychology Department at The Pennsylvania State University. From 1967 to 1969, he worked for HRB-Singer, Inc. Dr. Judisch is a member of the American Psychological Association and the Human Factors Society.

Lance A. Miller

Research Division, Yorktown Heights, New York

Dr. Miller joined IBM in 1968 and became manager of the Behavioral Sciences and Linguistics Group in the Computer Sciences Department at the Thomas J. Watson Research Center in 1975. Following a long period of study of the behavioral issues in interactive computing, especially programming, he is now focusing on the development of automatic natural language processing applications. Dr. Miller received the Ph.D. in cognitive psychology from the University of Wisconsin at Madison in 1968.

Mark Ominsky

System Products Division, Charlotte, North Carolina

Dr. Ominsky is an advisory human factors engineer in the engineering services organization of IBM's Charlotte laboratory. After joining the IBM Human Factors group in Endicott in 1968, he worked on the design, analysis, and testing of small and intermediate computer systems. He assisted in the execution of two banking machine field tests and worked extensively with account teams to facilitate the installation of the OCR check-processing system at several banks. He also directed a major Human Factors laboratory test program on the IBM 3640 Terminal Family. Recently he has been involved in early product planning and performance testing in the area of image-assisted processing and banking systems. Dr. Ominsky earned his A.B. degree at the University of Pennsylvania and his Ph.D. degree in experimental psychology at Duke University in 1967. He also completed a postdoctoral fellowship at the Duke University Medical Center. He is a member of the American Psychological Association, the Human Factors Society, the American Association for the Advancement of Science, and Sigma Xi.

Bruce A. Rupp

General Products Division, San Jose, California

Mr. Rupp joined the IBM Federal Systems Division in 1959 and worked in the areas of command and control systems and air- and space-borne systems. He later worked on the development of visual display systems for that division and for the System Communications Division. Mr. Rupp is presently a senior engineer on the staff of the General Products Division Human Factors Center. He is currently chairman of the Computer and Business Equipment Manufacturers Association Task Group for Ergonomics, and he is Secretary of the Joint Committee (Human Factors Society and Systems Safety Society) for Human Factors Guidelines. He is a member of the Human Factors Society. Mr. Rupp received his M.A. degree in experimental psychology from The Ohio State University in 1959.

John C. Thomas

Corporate Headquarters, Armonk, New York

Dr. Thomas joined IBM in 1973, and he is currently a member of the staff of the IBM Chief Scientist, Dr. Lewis M. Branscomb. Prior to this assignment, he was a staff member of the Research Division, doing basic research on design problem solving, natural language dialogue, learning complex systems, person-computer interaction, and office automation. Before joining IBM, Dr. Thomas managed a National Institute of Mental Health grant on the psychology of aging at Harvard Medical School. He is a licensed psychologist and has over fifty professional papers and presentations in psychology. He received his A.B. degree from Case-Western Reserve University and a Ph.D. from the University of Michigan. Dr. Thomas is a Fellow of the Institute for Rational-Emotional Therapy and an adjunct associate professor at Pace University.