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Tufts University School of Medicine, Medford, Massachusetts.

Management (S.B., Massachusetts Institute of Technology). Taught both hardware and software systems design theory and techniques for four and a half years at the IBM Systems Research Institute and eight years as an independent consultant. Teaches structured design courses both here and abroad. He is the author of over 40 papers and articles and three books in both the computer and family systems fields. Has Diplomate in Family Therapy from Boston Family Institute. Currently an instructor teaching family psychotherapy and supervising trainees at Boston State Hospital.

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System Development Division, Research Triangle Park, North Carolina.

Mechanical engineering (B.S., Worcester Polytechnic Institute, 1948). Joined IBM in 1951 as a design engineer with the Office Products Division. Later, while a member of the Federal Systems Division, worked on SAGE, Mercury, and Gemini projects. Since 1967 has been manager of the architecture group that developed SDLC.

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Electrical engineering (Ph.D., Czechoslovak Academy of Science, 1963). Member of Research Institute for Mathematical Machines in Praha, Czechoslovakia from 1963 to 1966. After working for The Raytheon Company, he joined IBM in 1967, where he has worked on storage hierarchy and storage systems evaluation and analysis.

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Electrical engineering (B.S., West Virginia University, 1959). Joined IBM at Poughkeepsie in 1959, and was initially involved in the planning and development of various transmission controller products for the 7000 series and System/360. In 1964 he joined the Federal Systems Division in Huntsville, Alabama as manager of electrical networks design for the Instrument Unit of Project Apollo. Since 1966 he has been working in communications systems architecture at Research Triangle Park primarily concerned with the architecture of SDLC.

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Electrical engineering and computer science (Ph.D., Stanford University, 1972). Prior to joining IBM in 1967, he was a logic and circuit designer at SCM Corporation and Hewlett-Packard Company. At IBM he has been a logic designer, and after returning from educational leave, he has been involved in the performance evaluation of storage subsystems.

Authors

Richard J. Mancini

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Electrical engineering (M.S., Rensselaer Polytechnic Institute, 1969). Since joining IBM in 1969, he has worked on computer applications in the public utility industry and on Apollo and Skylab missions. He is currently working on system performance evaluation for retail store systems.

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Electrical engineering (M.S., Massachusetts Institute of Technology, 1967). Joined IBM in 1967 as a systems engineer at the Cambridge, Massachusetts branch office. Since 1970 he has been at the Hartford branch office as a systems engineer working with OS/360, systems measurement, System/7, and improved programming technologies.