

Authors

Alfred Inselberg

Data Processing Division, Los Angeles, California

Dr. Inselberg is an advisory staff member at the Los Angeles Scientific Center where he joined IBM in 1966. Previously he was Research Assistant Professor at the University of Illinois where he received a Ph.D. degree in mathematics in 1965. From 1968 to 1971 he was a Lecturer at the University of California at Los Angeles and from 1971 to 1973, a Senior Lecturer at the Technion in Haifa, Israel. In 1975 Dr. Inselberg received an IBM Outstanding Contribution Award for his work on a mathematical model of the cochlea. His other interests include non-linear operator theory and mathematical models in energy research. Dr. Inselberg is a member of the American Mathematical Society, the Mathematical Association of America, and the Society for Industrial and Applied Mathematics.

John M. Fleischer

General Products Division, San Jose, California

Mr. Fleischer is a staff engineer in printer technology, currently working in the ink jet area. He joined IBM in 1968 and has worked on the development of magnetic storage systems, optically addressed storage systems, and electrophotographic printers. He was previously employed by the Martin Marietta Corporation in Denver, Colorado from 1964 to 1966, where he worked on radiant heat transfer and thermodynamics. He received a B.S. degree in 1964 and an M.S. in 1968, both in mechanical engineering, at Purdue University, Lafayette, Indiana. In 1975 he was the recipient of an IBM Outstanding Invention Award for the cylindrical toroidal correction scheme for rotating mirror scanners. Mr. Fleischer is a member of the Optical Society of America and the Institute of Electrical and Electronics Engineers.

Lawrence T. Kou

Research Division, Yorktown Heights, New York

Dr. Kou is a member of the theory of programming group at the Thomas J. Watson Research Center. His current interests include computational complexity, analysis of algorithms, and combinatorics. In 1965 he received his B.S. in electrical engineering from the National Taiwan University, Taipei. He came to the United States in 1967 and studied electrophysics at the Polytechnic Institute of Brooklyn where he received his M.S. degree in electrophysics in 1969. He went to the University of California at Berkeley in 1970 and received his Ph.D. in computer science in 1973. From 1973 to 1975 he was an assistant professor in the computer science department at Cornell University. He joined IBM in 1974 and is also an adjunct assistant professor at Columbia University. Dr. Kou is a member of the Association for Computing Machinery.

Santosh P. Gaur

System Products Division, East Fishkill, New York

Dr. Gaur is a member of the product assurance group. His interest is in the area of device design verification and failure modeling of power devices. He held a postdoctoral position before becoming a regular employee in March 1977. Dr. Gaur received his B. Tech. in electrical engineering from the Indian Institute of Technology, Kanpur, in 1969; M.S. in electrical engineering from the University of Maine at Orono, in 1971; and Ph.D. in electrical and computer engineering from the University of Massachusetts, Amherst, in 1974. His previously published research work has been in the areas of lattice vibrations and thermodynamic properties of III-V and II-VI compounds of zinc blende structure and transport phenomena in semiconductor devices. Dr. Gaur is a member of Sigma Xi, Eta Kappa Nu, and the Institute of Electrical and Electronics Engineers.

Milton R. Latta

General Products Division, San Jose, California

Mr. Latta is a staff engineer in the optical technology group of the San Jose development laboratory. His primary involvement over the last years has been with laser scanning systems and he has had responsibility for design, specification, and manufacturing liaison of the 3800 Printing Subsystem. He joined IBM at San Jose in 1968 after receiving an A.B. in physics from the University of California at Berkeley in 1966 and an M.S. in optics from the University of Rochester, New York in 1968. He received an IBM Outstanding Contribution Award in 1975 for his work on the laser optical system of the 3800 Printing Subsystem. He is a member of the Optical Society of America.

Hsing-San Lee

System Products Division, Burlington, Vermont

Dr. Lee joined IBM in 1968 and is an advisory engineer in an exploratory solid-state device group at the Burlington laboratory. He was previously an assistant professor in the department of electrical engineering at Ohio State University from 1964 to 1965 and later a member of the technical staff at Bell Telephone Laboratories, Whippany, New Jersey, participating in research in radiation effects on semiconductor devices. He received a B.S. degree in electrical engineering from the National Taiwan University, Taipei, in 1956 and M.S. and Ph.D. degrees in electrical engineering from Ohio State University in 1960 and 1964. Dr. Lee is a member of Sigma Xi.

George Markowsky

Research Division, Yorktown Heights, New York

Dr. Markowsky is a member of the theory of programming group at the Thomas J. Watson Research Center. He joined IBM in 1974. His current interests include the applications of order theory to computation, combinatorics, and analysis of algorithms. He received his B.A. in mathematics from Columbia University in 1968 and his M.A. in mathematics from Harvard University in 1969. From 1969 to 1972, he was instructor and then assistant professor of mathematics at St. Mary's College of Maryland in St. Mary's City. He returned to Harvard and received his Ph.D. in mathematics in 1973. He stayed on at Harvard as a postdoctoral fellow in 1973 and 1974. Dr. Markowsky is a member of the American Mathematical Society, the Mathematical Association of America, and Phi Beta Kappa.

Robert J. Peters

*Institute of Economic Research,
University of Groningen, The Netherlands*

Dr. Peters was educated at the Faculty of Economics, University of Groningen and received his Ph.D. there in 1975. As a research staff member of its Institute of Economic Research, he has been involved with solving a variety of practical problems in the field of operations research. From July 1975 to July 1976 he was on a temporary leave with IBM as a member of the gen-

eral sciences department of the Thomas J. Watson Research Center. Dr. Peters is a member of the Mathematical Programming Society and a member of the Dutch Society for Statistics, Biometrics, Econometrics and Operational Research. In 1975 he published the book *Mixed-Integer Programming in Production Planning*.

Melbourne E. Rabedeau

General Products Division, San Jose, California

Mr. Rabedeau is the manager of the optical technology department at San Jose where he joined IBM in 1960. He has worked on optical image evaluation and optical technology for optically addressed files. In 1951 he received his B.S. in physics from the University of Wisconsin, Madison and his M.S. in optics from the University of Rochester, New York in 1959. Mr. Rabedeau was employed at Eastman Kodak Company from 1954 to 1959, and at the Institute of Optics of the University of Rochester from 1959 to 1960. He is a member of the Optical Society of America and the Society of Photographic Scientists and Engineers.

W. J. van de Lindt

Federal Systems Division, Houston, Texas

Dr. van de Lindt is a senior engineer in the payload data processing and analysis group at the IBM Federal Systems Division in Houston, Texas. He joined IBM at the Scientific Center, Los Angeles in 1964, and transferred to the Federal Systems Division in 1972. Dr. van de Lindt has worked in a variety of fields including radar, microwaves, numerical weather prediction and nuclear reactors. He obtained his M.S. and Ph.D. degrees in physics in 1949 and 1969 from the Technological University at Delft, the Netherlands.