Contributors to this Issue

R. Ananthanarayanan is a Ph.D. student at the College of Computing, Georgia Institute of Technology, Atlanta, GA. He completed his M.Tech in Computer Science from Indian Institute of Technology, Kanpur, India and M.S. in Information and Computer Science from Georgia Institute of Technology in 1988 and 1991 respectively. His areas of interest include operating systems and distributed programming.

Ray Bryant received his Ph.D. in Mathematics from the University of Maryland, College Park, in 1978. From 1978 to 1981 he was on the faculty of the Computer Science Department at the University of Wisconsin at Madison. He joined the IBM T. J. Watson Research Center in 1981 where he is currently Manager of Parallel Systems Software. This group was responsible for the development of the RP3 Operating System. His current research interests include use of shared virtual memory for parallel processing and operating systems for multicomputers.

Bharat Bhargava is a professor in the department of computer science at Purdue University. His research involves both theoretical and distributed studies in distributed database systems. He is currently working on adaptability in distributed systems, replication management, and new paradigms in communications for high performance transaction processing. He is also conducting experimental studies on above subjects in Raid Distributed Database System. He has edited a book *Concurrency Control and Reliability in Distributed Systems* that was published by Van Nostrand and Reinhold in 1987. In the 1988 IEEE Data Engineering conference, he and John Riedl received the best paper award for their work on "A model for adaptable systems for transaction processing." Prof. Bhargava is on the editorial board of the IEEE Transactions on Knowledge and Data Engineering. He is the editor of the newsletter of the IEEE Technical Committee on Distributed Processing.

Hung-yang Chang is a research staff member at the IBM T.J. Watson Research Center, where he joins the parallel system software research project. He is working on MACH—based parallel/distributed operating systems to study the scheduling and communication aspects of parallel computing. He received his Ph.D. in Computer Sciences from the University of Wisconsin at Madison in 1987; his dissertation is a study on distributed real-time scheduling algorithms. He received his B.S. in Electrical Engineering from the National Taiwan University in 1979. From 1987 to 1990, He was part of IBM RP3 operating system team. From 1982 to 1984, he was involved in the design and implementation of Charlotte, an early distributed communication kernel. His research interests include networked operating systems, job scheduling, and parallel programming. He is a member of ACM since 1982.

Raymond C. Chen is currently a member of the Research and Development Division of Siemens-Nixdorf Information Systems. Raymond earned a Ph.D. in Computer Science from Georgia Tech in 1991, a Masters Degree in Computer Science from Georgia Tech in 1990, and a Bachelor of Science in Engineering in Electrical Engineering/ Computer Science from Princeton University in 1985. His doctoral dissertation is titled "Consistency Control and Memory Semantics for Persistent Objects."

Partha Dasgupta is an Associate Professor of Computer Science and Engineering at Arizona State University. His research interests include Distributed Operating Systems, Distributed Programming, Distributed Algorithms and Persistent Object Systems. His work on the Clouds operating system was done at Georgia Tech, funded by a grant from NSF. Dr. Dasgupta has a Ph.D. from State University of New York at Stony Brook.

Sathis Menon is a research scientist working on the Clouds Project. He is also pursuing a Ph.D. degree part-time. His research interests are in the area of Distributed Programming, Events and event notification in distribuetd object based systems, exception handling in distributed programming languages etc. Prior to joining the Clouds Project, Mr. Menon worked at the UNIX Kernel Development Laboratory at AT&T BELL LABS.

Enrique Mafla is a faculty member in at Universidad San Francisco de Quito, Quito, Ecuador. His research interests include distributed systems, database systems, communication, and computer networks. He

344 Contributors to this Issue

received the B.S. degree in meteorology from the Odessa Institute of Meteorology, Odessa, USSR in 1981, and the M.S. and Ph.D. degrees in computer science from Purdue University in 1988 and 1990 respectively.

Ajay Mohindra is a Ph.D. student at College of Computing, Georgia Institute of Technology, Atlanta, GA. He completed his M. Sc. (Tech) in Computer Science from Birla Institute of Technology and Science, Pilani, Rajasthan, India; and M.S. in Information and Computer Science from Georgia Institute of Technology in 1983 and 1989 respectively. He is doing his Ph.D. in the area of distributed operating systems. His areas of interest are distributed operating systems, computer architecture, and parallel algorithms and architecture.

Marc Pucci received his degrees in Electrical Engineering from Polytecnhic Institute of Brooklyn. He joined the staff of Bell Laboratories in 1976, where he worked on hardware and software computer performance monitoring, file system tools, and operating systems. The latter included extending the Unix operating system to support multiple processors, porting the system to IBM and AT&T computers, and developing various device drivers. With the divestiture of the Bell System, he joined the Applied Research area at Bellcore and has been working on distributed and multiprocessor systems. His current research interests include multiprocessor operating systems, I/O device protocols, object repositories, and multi-media applications.

Bryan Rosenburg received his Ph.D. in Computer Sciences from the University of Wisconsin—Madison in 1986. In 1987 he joined the IBM T.J. Watson Research Center as part of the operating system group of the RP3 project. His current research interest is in exploring microkernel-based operating systems for firmly-coupled computer clusters. held a National Science Foundation graduate fellowship at Georgia Tech as well as a Georgia Tech President's fellowship.

Gene Spafford is an assistant professor of Computer Sciences at Purdue University. He is also actively involved with the Software Engineering Research Center, an NSF-University-Industry Cooperative Research Center, co-located at Purdue and at the University of Florida. Gene's academic degrees include a Ph.D. in Information and Computer Sciences (1986), and an M.S. in Information and Computer Sciences from Georgia Tech (1981), and a B.A. double major in Mathematics and Computer Science from the State University College at Brockport (1979). Professor Spafford's present research interests center around the reliability of computing systems. He is particularly interested in issues related to software testing and debugging, computer security, software fault-tolerant distributed systems, computing education, and professional issues (ethics and social impact). His current research is focused on software debugging and on practical computer security. He has coauthored two widely-respected books in computer security: Computer Viruses published by ADAPSO in 1989, and Practical Unix Security published by O'Reilly & Associates in 1991. Professor Spafford is a Senior Member of the IEEE and a member of the ACM of the Usenix Association. He is currently a member of the ACM ISEF Awards Committee, and chair of the ACM Self-Assessment Committee. He is on the editorial or advisory boards of the journals Computing Systems, The International Journal of Computer and Software Engineering, Journal of Information Systems Security, and the Virus Bulletin.

Brent Welch is a member of the research staff at Xerox PARC. His research interests are in operating systems and distributed systems. While at Berkeley, Welch helped design and implement the Sprite network operating system, being primarily responsible for the RPC system and the distributed file system. His work at PARC focuses on next generation distributed systems and the managment of distributed systems. Welch received a B.S. in Aerospace Engineering at the University of Colorado, Boulder, in 1982 and an MS in Computer Science at the University of California, Berkeley, in 1986 and a Ph.D. in Computer Science at the University of California, Berkeley, in 1990. He is a member of the ACM and the IEEE Computer Society.

Yongguang Zhang was born in Guangzhou, China. He received the B.S. degree in computer science from the Zhongshan (Sun Yet-sen) University, Guangzhou, China in 1987. He is currently a Ph.D. stu-

346 Contributors to this Issue

dent of Computer Sciences at Purdue University. Before coming to Purdue, he spent two years as a research assistant in the Institute of Software at Academia Sinica, Beijing, China, where he participated in a software environment research project. His current research interests are distributed systems, transaction processing, communication network, and system software.