

Contributors to This Issue

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Alan Dearle received his B.Sc.(hons) from St. Andrews University in Scotland in 1983, after which he went on to study toward a Ph.D. with Ron Morrison's Persistent Programming Group. His thesis is entitled "On the Construction of Persistent Programming Environments," and his doctorate was conferred in 1988. After graduating he became a lecturer in Computational Science at St. Andrews University. During this time he was a co-designer and implementor of the orthogonally persistent programming language Napier88, which supports strong typing, parametric polymorphism, a dynamically callable compiler and an integrated persistent run-time environment. In 1990 Dr. Dearle moved to The University of Adelaide, becoming a reader in Computer Science in 1992. At Adelaide he worked on a distributed implementation of Napier88 (see *Computing Systems*, vol. 5) and persistent programming environments. In 1992 he started the Grasshopper Persistent Operating Systems Project with Professor John Rosenburg of Sydney University. Dr. Dearle is a member of the British Computer Society and The Association for Computing Machinery and is a Chartered Engineer. He can be reached at al@cs.adelaide.edu.au.

Rex di Bona obtained his B.Ec. (hons) from the University of Sydney in 1986. He is currently working on his doctorate in the area of Data Communication in the Grasshopper Persistent Operating System. In 1990 he was involved in the development of the MIPS Magnum series of Computers, and has developed a mass storage system utilizing jukebox technology. He is also currently a part-time system administrator at the University of Sydney. He is a student member of the Association for Computing Machinery.

James Farrow received his B.Sc. (hons) from The University of Sydney in 1991. His thesis was on discrete event simulation. He is currently studying toward a Ph.D. with John Rosenberg's Persistent Research Group as part of the Grasshopper Persistent Operating Systems Project. His research deals with the exploitation of the persistent paradigm in user interaction with a persistent system.

Frans Henskens was educated at the University of Newcastle, Australia, where he completed a Bachelor of Mathematics degree in 1974 and a Diploma of Education (Maths) in 1975. He then spent 11 years working as a secondary school teacher. During this time Dr. Henskens developed an interest in computers, and he completed a postgraduate Diploma in Computer Science with Merit in 1986, followed by a Ph.D. in 1991. In 1988 he accepted a Senior Tutorship in Computer Science at the University of Newcastle, Australia, and in 1990 was promoted to lecturer. In 1992 he accepted a Lectureship at the University of Sydney. Dr. Henskens's research interests center on distribution using global virtual memory and architectural and operating system support for persistence.

David Ingham received a B.Eng. in Electrical and Electronic Engineering from Northumbria University in 1991 and an M.Sc. in Computing Software and Systems Design from Newcastle University in 1992. He is currently a Research Associate in the Department of Computing Science at Newcastle University, where he is a member of the team developing the Arjuna reliable distributed programming system. His research interests include distributed computing, reliable systems, network performance, and tools for the testing and debugging of distributed applications. He may be reached at dave.ingham@newcastle.ac.uk.

Anders Lindström received his B.Ec.(hons) in 1992. He is currently involved in the Grasshopper persistent operating system project under John Rosenberg. In particular, he is investigating persistence in the kernel itself. Further interests include user-level memory management and distribution. He is a student member of the Association for Computing Machinery.

Darrell D. E. Long received his B.S. degree in Computer Science from San Diego State University in 1984. He received his M.S. degree in 1986 and his Ph.D. degree in 1988, both in Computer Science from the University of California, San Diego. He is currently Assistant Professor of Computer & Information Sciences at the University of California, Santa Cruz. He has published articles on protocols for data replication, host reliability, performance guarantees, and high-speed I/O systems. His current research interests include distributed computing systems, high-speed I/O systems, performance evaluation, and real-time management of large scientific data sets. Dr. Long is a member of the IEEE Computer Society, the Association for Computing Machinery and Sigma Xi. He is the Chair of the IEEE Technical Committee on Operating Systems and Application Environments. He also serves on the editorial board of the International Journal in Computer Simulation. He can be reached at darrell@cse.ucsc.edu.

Bruce R. Montague is currently a doctoral student in Computer & Information Sciences at the University of California, Santa Cruz. He has been employed working with system software since 1975. He received a B.A. degree in Physics from Saint Mary's University, San Antonio, Texas, in 1978 and a M.S. degree in Computer Science from the University of Massachusetts at Lowell in 1991. He has worked as a civilian Air Force Computer Scientist, has been on the staff of the Naval Postgraduate School, worked as a senior engineer for Digital Research, Inc., and has worked with a number of Silicon Valley start-ups. His primary interests are operating-system and file-system design and implementation. He is a member of the IEEE and the ACM. He can be reached at brucem@cse.ucsc.edu.

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Graham D. Parrington received a B.Sc. in Computing Science from Newcastle University in 1979 and after a brief interlude in the real world of commercial computing with Honeywell Information Systems returned to Newcastle and obtained a Ph.D. in 1988. Since 1986 he has been on the research staff at Newcastle where he is currently a Senior Researcher. He is one of the principal architects and implementors of the Arjuna reliable distributed programming system. His research

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John Rosenberg obtained his undergraduate degree from Monash University in Melbourne, Australia. He was awarded his Ph.D. from Monash University in 1979, following which he joined the academic staff at Monash as a Lecturer. In 1982, he accepted a position as a Senior Consultant with a software consultancy in Melbourne. In 1984, Dr. Rosenberg returned to Monash and was promoted to Senior Lecturer. In 1986, he moved to the University of Newcastle, Australia, and was promoted to Associate Professor in 1989. During 1989/1990 Professor Rosenberg was an SERC Senior Visiting Research Fellow at the University of St. Andrews, Scotland. He was appointed a full professor at the University of Sydney in 1991 and has been Head of the Department of Computer Science at Sydney since January 1994. Professor Rosenberg's main research interests are in the area of architectural and operating system support for persistent systems. As one of the instigators of the Monads project, he has been involved in the design and construction of several systems that provide direct hardware and software support for persistent systems development. In 1992 he started the Grasshopper Persistent Operating Systems Project in conjunction with Alan Dearle.

Francis Vaughan is currently a Ph.D. candidate at the University of Adelaide. Following graduation from the University of Adelaide in 1982 he worked as a programmer on a number of research projects including the CASPER distributed persistent system. His research interests include operating system design with particular emphasis on reliability, distribution, and very large persistent stores. He can be reached at francis@cs.adelaide.edu.au.

Andreas Winckler received a Diplom-degree in Electrical Engineering from the University of Stuttgart, Germany, in 1990. He then joined the Computer Science department, namely, the Institute of Parallel and Distributed High-Performance Systems at the University of Stuttgart. He has been a member of the research staff with areas of interest in load-sharing algorithms and workflow management in distributed systems. He received the Dr.rer.nat. degree in 1994. He can be reached at winckler@ipvrvx.informatik.uni-stuttgart.de.

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