

Contributors to this Issue

Roland Balter is in charge of the Distributed Systems group at Bull Research and head of the Bull-IMAG joint research laboratory. His main interests are distributed systems design and transaction management. He is also the leader of the Comandos project under the ESPRIT program of the Commission of European Communities. This project develops a multi-vendor platform for distributed applications, based on an object model.

Jon L. Bentley is a Member of Technical Staff in the Computing Sciences Research Center at AT&T Bell Laboratories. His research interests include programming techniques and algorithm design. Prior to joining Bell Labs in 1982, he was an Associate Professor of Computer Science and Mathematics at Carnegie-Mellon University. Since arriving at Bell Labs, he has served as a visiting faculty member at the United States Military Academy at West Point and at Princeton University.

Dr. Bentley received a B.S. degree in Mathematical Sciences from Stanford University in 1974, and M.S. and Ph.D. degrees in Computer Science from the University of North Carolina in 1976. He is the author of three books: *Writing Efficient Programs*, *Programming Pearls*, and *More Programming Pearls*.

Jacques Bernadat is a Bull senior engineer at Bull-IMAG. He has contributed to the design and implementation of distributed applications on the Guide system.

Tom Cargill is an independent software consultant, based in Boulder, Colorado. From 1982 through 1989 he was a member of the Computing Science Research Center, Bell Labs, Murray Hill, NJ, where his research focused on debuggers. He started using C++ in 1983, writing one of the first large C++ programs, Pi, a family of portable distributed debuggers. Tom received a Ph.D. in Computer Science from the University of Waterloo, Canada in 1979.

Dominique Decouchant is a researcher (CNRS) at Bull-IMAG. His main interests are the design of system support for objects, and the use of object-oriented systems for cooperative applications. He has contributed to the design of the Guide kernel, and he is its main implementor.

Andrzej Duda is a researcher (CNRS) at Bull-IMAG. His main interest is modelling and performance evaluation for distributed systems and networks. He has contributed to the design and implementation of the communication system of Guide.

Andre Freyssinet is a Bull engineer at Bull-IMAG. He is currently completing his doctoral thesis on the design and implementation of object-oriented distributed systems. He is the main designer and implementor of the object storage system of Guide.

Brian Kernighan received a Ph.D. in electrical engineering from Princeton University in 1969. Since then, he has been at Bell Laboratories in Murray Hill, New Jersey, where he is head of the Computing Structures Research Department. He is the co-author of several books, including *The UNIX Programming Environment* and *The C Programming Language*. His current research activities include document preparation software and programming languages.

Sacha Krakowiak is a professor at the University of Grenoble and deputy head of Bull-IMAG. He has been the leader of the Guide project since its inception in 1986. His main research interests are operating systems, distributed systems, and software development environments. He is the coordinator of the French research program on distributed operating systems and he is a member of the scientific board of INRIA.

Patrick Le Dot is an IMAG research engineer at Bull-IMAG. He has worked on the implementation of the Guide kernel and on distributed applications.

Marie Meysembourg completed her doctoral thesis in 1989 at the University of Grenoble, on the design of the Guide object-oriented language. She is currently associated with Matra.

Hiep Nguyen Van completed his doctoral thesis in 1991 at the University of Grenoble. He has contributed to the design and implementation of the Guide compiler. He also designed and implemented the garbage collector of the Guide system.

Eric Paire is an engineer at Bull, Echirolles. He was associated with project Guide from 1987 to 1989 and he has contributed to the design and implementation of the kernel.

Michel Riveill is a Bull engineer at Bull-IMAG. He is the main designer and implementor of the Guide compiler and run-time system. Prior to his appointment at Bull, he has done his doctoral thesis on the design of a kernel for a parallel machine.

Cecile Roisin is a lecturer at the University of Grenoble. She has worked on communication protocols, and her current interest is the design of object-oriented languages and applications.

Xavier Rousset de Pina is a senior lecturer at the University of Grenoble. He was one of the main designers of the Guide kernel. In 1989-90, he was on sabbatical leave at the University of Newcastle-upon-Tyne, where he has worked on fault-tolerant systems.

Rodrigo Scioville completed his doctoral thesis in 1989 at the University of Grenoble. He has worked on the design of the object storage system of Guide.

Gerard Vandome is a Bull senior engineer at Bull-IMAG. He has contributed to the design of the kernel and storage system of Guide. He is one of the senior staff of the ESPRIT Comandos project and has been in charge of the kernel design group of this project.