

Contributors to this Issue

Michel Beaudouin-Lafon is a Professor at University of Paris-Sud. He is leading a research group on user interface engineering. The domains covered by the group are engineering of direct manipulation applications, CSCW and groupware systems, and multimodal interfaces.

Israel Z. Ben-Shaul is a PhD student at Columbia University, and a member of the Programming Systems Lab. His research interests include process-centered environments and their architectures, object-oriented databases, concurrency control, and distributed systems. Ben-Shaul received his BSc in mathematics and computer science in 1988 from Tel Aviv University, and his MS in computer science in 1991 from Columbia University. His MS thesis was on architectures for multi-user software development environments. Ben-Shaul was a research staff associate at Columbia during 1990-1991, as the Marvel Project Manager. He is a student member of ACM and IEEE.

Alain Karsenty is a PhD student at University of Paris-Sud. His research work concerns the design and implementation of real-time groupware systems, focusing on both the end users' perspective and the designer's perspective. He has designed and implemented several groupware systems.

Gail E. Kaiser is an Associate Professor of Computer Science and Director of the Programming Systems Laboratory at Columbia University. She was selected as an NSF Presidential Young Investigator in Software Engineering in 1988. Prof. Kaiser has published over 80 papers in a range of areas, including software development environments, software process, cooperative transactions, testing and debugging, reuse, application of AI to software engineering, object-oriented languages and databases, and parallel and distributed systems. Prof. Kaiser is an associate editor of the journal ACM Transactions on Soft-

ware Engineering and Methodology, and serves on numerous program committees for conferences as well as reviewing for conferences, journals, and the NSF. She received her PhD and MS from CMU and her ScB from MIT. She is a member of ACM and a senior member of IEEE.

George T. Heineman is a PhD student at Columbia University, and a member of the Programming Systems Lab. His research interests include software development environments for large scale programming systems and architectural support for cooperative transactions. Heineman received his BA in computer science from Dartmouth College in 1989, and his MS in computer science from Columbia University in 1990. He is a student member of ACM and IEEE.

Scott Kalter received his MS in CS from UCLA in 1989. He spent some time working on his doctorate in the SARA group at UCLA. After a short stint at Locus Computing he joined Twin Sun, Inc., where he has been devoting his time to exploring various technologies for supporting highly synergetic synchronous collaboration. He is still searching for a programming language that is enjoyable to work with. He can be reached at sdk@twinsun.com.

Michael Knister received BS and MS degrees in Computer Engineering from the University of Michigan, where he is currently a Computer Science PhD candidate. His research focuses on support for collaborative computing. He can be reached at mknister@eecs.umich.edu.

Dorab Patel is a Member of the Technical Staff at Twin Sun, Inc. He is currently working on collaborative toolkits and applications. His other research interests include computer-human interaction, networking, and applicative languages. While at UCLA, he was involved with the development of a collaborative design environment. He is active in the local ACM SIGCHI chapter. His PhD in Computer Science from UCLA was on silicon compilation. Contact him at dorab@twinsun.com.

Atul Prakash received his BTech degree in Electrical Engineering from Indian Institute of Technology, New Delhi, in 1982, and MS and PhD degrees in Computer Science from the University of California at Berkeley in 1984 and 1989 respectively.

He is currently an Assistant Professor in the Department of Electrical Engineering and Computer Science at the University of Michigan. His research interests include groupware systems design, software engineering, and distributed computing. He can be reached at aprakash@eecs.umich.edu.

Christophe Tronche is a PhD student at University of Paris-Sud. He is working on software architectures and software engineering techniques for groupware systems. He has implemented several heterogeneous groupware systems using the methods described in this paper.