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## About the Contributors

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CAROLINE R. ARMS is a Program Coordinator for the National Digital Library Program at the Library of Congress. She is responsible for the integration into American Memory of collections digitized at other institutions through the Library of Congress/Ameritech National Digital Library Competition. In the late 1980s, she edited two books of case studies for EDUCOM—*Campus Networking Strategies*, and *Campus Strategies for Libraries and Electronic Information*. More recent publications include “Historical Collections for the National Digital Library” (*D-Lib Magazine*, April & May 1996) and *Enabling Access in Digital Libraries: A Report on a Workshop on Access Management* (Digital Library Federation, 1999).

THERESA GROSE BEAMSLEY is the Director of Collections Information Resources at the Henry Ford Museum & Greenfield Village. This unit includes the Library, Research Center, Archives, Collections Information Management, and Information Delivery and Design departments. She is responsible for the technical design and management of all collections-related electronic information services, including the institution’s Web site. Ms. Beamsley holds advanced degrees in Social/Cultural Anthropology and Information Science and brings more than fifteen years of software design and development experience to her position. She is a member and frequent speaker at the annual meetings of the American Society for Information Science and numerous other museum and technical professional societies.

HSIN-LIANG CHEN is an Assistant Professor in the School of Library and Information Science at the University of Wisconsin-Milwaukee. His research interests are image retrieval, human-computer interaction, instructional technology, user studies, and information literacy.

D. A. FORSYTH is presently an Associate Professor of Computer Science at the University of California at Berkeley. He was an Assistant Professor of Computer Science at the University of Iowa and an Assistant Professor of Computer Science at the University of California at Berkeley. His interests include object recognition.

SAMANTHA K. HASTINGS is a faculty member in the School of Library and Information Sciences, University of North Texas in Denton. Ms. Hastings teaches a variety of courses including indexing and abstracting and telecommunications. She runs a program of study for digital image managers with the help of a grant from the federal Institute of Museum and Library Services. In addition, the grant funds a study investigating the impact of Web access to the collections at the African American Museum of Art in Dallas, Texas.

P. BRYAN HEIDORN is an instructor and researcher at the Graduate School of Library and Information Science at the University of Illinois at Urbana-Champaign where he joined the faculty in 1995. Mr. Heidorn's research interests include natural language processing, spatial cognitive modeling, and image storage and retrieval. His current work involves natural language understanding for the generation of metric models for image synthesis and retrieval. He teaches in the areas of information system automation and information retrieval. Mr. Heidorn is an active member of the American Society of Information Science and the American Society for Computing Machinery.

THOMAS S. HUANG joined the University of Illinois at Urbana-Champaign in 1980, where he is now William L. Everitt Distinguished Professor of Electrical and Computer Engineering, Research Professor at the Coordinated Science Laboratory, and Head of the Image Formation and Processing Group at the Beckman Institute for Advanced Science and Technology. He was on the Faculty of the Department of Electrical Engineering at MIT from 1963 to 1973 and on the faculty of the School of Electrical Engineering and Director of its Laboratory for Information and Signal Processing at Purdue University from 1973 to 1980. Dr. Huang's professional interests lie in the broad area of information technology, especially the transmission and processing of multidimensional signals. He has published twelve books and over 300 papers on network theory, digital filtering, image processing, and computer vision. He received the IEEE Acoustics, Speech, and Signal Processing Society's Technical Achievement Award in 1987 and the Society Award in 1991. He is a Founding Editor of the *International Journal of Computer Vision, Graphics, and Image Processing* and editor of the *Springer Series in Information Sciences* published by Springer Verlag.

SHARAD MEHROTRA is an Assistant Professor in the Computer Science Department at the University of Illinois at Urbana-Champaign since 1994. He has subsequently worked at MITL, Princeton, as a scientist from 1993 to 1994. He specializes in the areas of database management, distributed systems, and information retrieval. His current research projects are on multimedia analysis, content-based retrieval of multimedia objects, multidimensional indexing, uncertainty management in databases, and concurrency and transaction management. Dr. Mehrotra is an author of over fifty research publications in these areas. He is the recipient of the NSF Career Award and the Bill Gear Outstanding junior faculty award in 1997.

MICHAEL ORTEGA is currently pursuing his graduate studies at the University of Illinois at Urbana-Champaign. He received a Fulbright/CONACYT/García Robles scholarship to pursue graduate studies as well as the Mavis Award at the University of Illinois and is a member of the Phi Kappa Phi honor society, the IEEE computer society, and member of the ACM. His research interests include multimedia databases, database optimization for uncertainty support, and content-based multimedia information retrieval.

EDIE RASMUSSEN is an Associate Professor in the School of Information Sciences at the University of Pittsburgh, where she teaches courses in information retrieval, image database management, and indexing and abstracting. She has also taught and researched in institutions in Canada, Malaysia, Singapore, and the United Kingdom.

NEIL C. ROWE is Associate Professor of Computer Science at the U.S. Naval Postgraduate School where he has been since 1983. His main research interest is intelligent access to multimedia databases, and he has also done work on robotic path planning, intelligent tutoring systems, and computer security. Mr. Rowe is the author of *Artificial Intelligence Through Prolog* (Prentice-Hall, 1988) and a forthcoming book on information security.

YONG RUI is currently a researcher at Microsoft Research in Redmond, Washington. His research interests include multimedia information retrieval, multimedia signal processing, computer vision, and artificial intelligence. He has published over thirty technical papers in these areas. He is a 1989-1990 Huitong University Fellowship recipient, a 1992-1993 Guanghua University Fellowship recipient, and a 1996-1998 CSE Engineering College Fellowship recipient.

BETH SANDORE is Head of the Digital Imaging and Multimedia Initiatives program and Associate Professor at the University of Illinois at Urbana-Champaign Library. Her professional experience and research focus

on technology development and evaluation in libraries, including experimental work with image and multimedia databases. Her recent publications include a user evaluation study of the MESL image database, funded by the Getty Information Institute, a book on technology and management in libraries co-authored with F. W. Lancaster, and the proceedings of the 1996 Digital Image Access and Retrieval Conference on experimental digital image database development. Ms. Sandore is active in the American Library Association's Library and Information Technology Association (LITA). She has served in an advisory capacity for a number of groups on imaging and technology evaluation projects, including the U.S. Department of Education, the Getty Information Institute, and the Andrew Mellon Foundation.

ROHINI K. SRIHARI is an Associate Professor of Computer Science and Engineering at SUNY at Buffalo. She has worked in both natural language processing as well as computer vision. Dr. Srihari's current research interests include multimedia information retrieval and multimodal image annotation systems. She is presently working on three projects. The first project, Show&Tell—a multimodal system (combining speech, deictic input, and computer vision) for aerial image annotation and retrieval—was sponsored by the DOD as part of the RADIUS image exploitation program. The second project, WebPiction—for combining text and image context in image retrieval for the World Wide Web and Imagination—is an extension of a DOD sponsored effort on the use of collateral text in image understanding. The third project, Imagination—an Image Annotation and Metadata Generation System for Consumer Photos—is being sponsored by Kodak as part of their digital imaging initiative. Dr. Srihari recently organized a workshop on Multimedia Indexing and Retrieval in conjunction with the ACM conference on Information Retrieval, SIGIR '99.

CHRISTIE STEPHENSON is Librarian for Digital Collections at the New York University Libraries. She served as Project Director of the Museum Educational Site Licensing Project from September 1996 until the conclusion of the project. Prior to that, she served as MESL Project Coordinator and Coordinator of the Digital Image Center at the University of Virginia Library, where she was Assistant Fine Arts Librarian.

ZHONGFEI ZHANG is an Assistant Professor in the Computer Science Department at SUNY at Binghamton. Prior to that he was a Research Assistant Professor at the Department of Computer Science and Engineering at SUNY Buffalo. His research interests include multimedia information indexing and retrieval, image understanding and processing, pattern recognition, artificial intelligence, and robotics. He has published over twenty academic papers in international and national journals and conferences.