
Biographies

Réjean Baribeau is a conservation scientist at the Canadian Conservation Institute (CCI) and a guest worker at the National Research Council (NRC). He received a B.Sc in physics in 1977, a M.Sc. in Physics in 1979., a Certificate in Computer Sciences in 1987 and a Ph.D. in Physics in 1992, all from Laval University. He has worked as a physics teacher and a research scientist before joining CCI in 1991. He is currently researching the development of 3-D laser imaging techniques and their application in the fields of conservation and museum interactivity.

Dr. Gregory Bearman is a member of the Technical Staff of the Imaging and Spectrometry Technology Systems SEction at NASA's Jet Propulsion Laboratory. He received a B.S. Degree in physics from Cornell University and a Ph.D. from Brandeis University in 1975. An experimentalist, his research was initially on atomic and molecular collisions and high precision spectroscopy. At JPL, he performed work on laser physics and pumping mechanisms. Other JPL work has been on high precision atomic clocks, using trapped ion frequency standards and precision spectroscopy. Recently, Dr. Bearman's interests have moved into design of optical instruments for flight applications, and it is that work that led into imaging spectrometers. In addition to applying imaging to academic interests such as ancient documents and archaeology, he is leading an effort to transfer this technology to commercial applications such as agriculture and biomedicine.

Howard Besser is Visiting Associate Professor at the University of Michigan's School of Information and Library Studies, teaches one class per semester at the UC Berkeley Library School, consults for libraries, museums, and arts organizations and is a frequent speaker at professional conferences. Dr. Besser is one of the world's leading authorities on image databases and has published articles on the automation of image collections in the Journal of the American Society for Information Science, Library Trends, Visual Resources, Museum Studies Journal and numerous other publications. He is currently working on a book on Image Databases which will be part of the ASIS Monograph Series. Dr. Besser is co-chair of the American Library Association's committee on Technology and the Arts.

Panos Costantopoulos is Associate Professor of Computer Science at the University of Crete and head of the Information Systems and Software Technology Group, Institute of Computer Science, Foundation for Research and Technology - Hellas. He holds a Sc. D. in Operations Research from M.I.T. Prof. Costantopoulos has been principal investigator for the Institute of Computer Science (FORTH) in several national and international projects. His current research interests are in the areas of information systems, conceptual modelling, decision support systems and software engineering.

Martin Doerr graduated in Mathematics and Physics and received his Ph.D. in nuclear physics from the University of Karlsruhe in Germany. He is a senior researcher in Information Systems and Software Engineering at the Foundation of Research and Technology - Hellas, Greece. Dr. Doerr has more than

20 years of experience in software development for research and industry and is currently working on the development and implementation of semantic networks for cultural information systems. His scientific interests are conceptual modelling and semantic indexing.

Maria Economou is completing a DPhil at the University of Oxford on the use of interactive multimedia in museums and archaeological presentations. Her research involves the design and evaluation of an interpretative hypermedia program for an archaeological exhibition organized by the Ashmolean Museum, Oxford. She has a degree in Archaeology from the University of Thessaloniki, Greece and an MA in Museum Studies from the University of Leicester.

Dr. Michael Ester is currently President of Luna Imaging, a company which applies new forms of electronic imaging technology for use in the arts and humanities. From 1985 to 1993 Dr. Ester was Director of the Getty Art History Information Program (AHIP, where he was responsible for setting program direction and policy, and for managing its many projects based in the U.S. and in Europe. Prior to joining the Getty Trust, Dr. Ester was Information Systems Manager, then Director at URS/Berger, a firm conducting remote sensing and environmental studies for the United States Government. Before entering the private sector, Dr. Ester taught courses in both computer applications and archaeology at Rutgers University. Dr. Ester has earned doctorates in mathematics and anthropology from Brandeis University.

Larry Friedlander is a professor of English Literature and Theater at Stanford University and is currently working on plans at Stanford for a Center in Innovation in Technology and Education. He began working in multimedia design and applications in 1983 with the "Shakespeare Project." In 1990 Friedlander helped form the "Interactive Shakespeare Group" at MIT to further explore this area.

Professor Friedlander has worked in major research laboratories such as the Apple Multimedia Lab, the MIT Media Lab, and the Mitsubishi Electronic Research Laboratory among others. He is also heavily involved in museum design and planning, and is now advising the Museum of Scotland (due to open in Edinburgh in 1999). He has worked with many institutions such as the Musee d'Orsay in Paris and is currently Osher Fellow at the San Francisco Exploratorium.

Robert Garfinkle is currently an Exhibit Developer at the Science Museum of Minnesota. He has an M.S. in Instructional Systems Technology from Indiana University, and has presented on "Constructivist Challenges in Hypermedia Design" at the '91 Hypermedia Conference, among others.

Franca Garzotto is Research Associate at the Department of Electronics and Information, Politecnico di Milano, where she presently serves as Managing Director of the Hypermedia Laboratory. She graduated with a degree in Mathematics from the University of Padova (Italy) and received a Ph.D. in Computer Science from the Politecnico di Milano. Her main research interests include database systems, conceptual modelling of documents, hypertext/multimedia modelling and design, multimedia authoring systems and multimedia application evaluation. She was Program Chair of the International

Workshop on Hypermedia Design (Montpellier, 1995), and has been on various program committees, including ACM-HT '91 and '92.

Janet Gertz has been Head of Preservation for Columbia University Libraries since 1988. Prior to that, she worked for Pennsylvania State University as Special Collections Librarian and was responsible for Preservation throughout the system. Dr. Gertz has an MLS from the University of Michigan (1985) with a specialization in Preservation and Archives and a Ph.D. from Yale University, where she worked in the Department of Manuscripts and Archives. She is Past Chair of the Preservation and Reformatting Section of the Association for Library Collections and Technical Services within the American Library Association and Past Chair of the Research Libraries Group Preservation Advisory Council.

Guy Godin is a research officer in the Visual Information Technology Group of IIT-NRC. He received a B.Eng. degree in electrical engineering from the Ecole Polytechnique de Montreal in 1984 and, in 1989, a M.Eng. degree in Electrical Engineering (with a focus on computer vision) from McGill University. His current research interests focus on 3-D sensing, computer vision and image processing as well as computer graphics.

Samantha Kelly Hastings worked with network development for the State Library of Florida prior to accepting a faculty position there. Her responsibilities included planning and coordination for a statewide multi-type library network, Internet access for public libraries, and program development for resource sharing, automation, and telecommunications in support of interlibrary cooperation. She has worked in medical and academic libraries and provided independent consulting services for full-text and image database systems. In 1994, Ms. Hastings completed her Ph.D. at Florida State University, School of Library and Information Studies. Her work concentrates on digital images, telecommunications, automated systems and networks, information technology, information needs, education, art and poetry.

Dr. Andreas Heinecke received his Master's Degree (1982) and Ph.D. (1987) in Computer Science from the University of Hamburg. His areas of specialty are Human-Computer Interaction and Software Ergonomics. Prof. Heinecke was an Assistant Professor at the University of Hamburg, Dept. of Informatics, Working Group on Applied Informatics in Science and Technology. He is now a freelance consultant and lecturer at the University of Hamburg and at Anhalt Polytechnic. Prof. Heinecke is Vice-Chair of the Association for Sponsorship of the German Salt Museum.

Professor Thomas Hoeren specializes in Copyright and Computer Law. He is Head of the Research Center for Information and Media Law in Dusseldorf and is Legal Advisor to the European Commission. Prof. Hoeren is co-editor of several computer law journals, including "Computer Und Recht" (Germany) and "The EDI Law Journal" (Netherlands).

Jung-Kook Hong is a Korean resident in Japan. He received his Ph.D. in Agricultural Chemistry from the Tohoku University of Japan in 1975. Dr. Hong has been a researcher at a national research

center and a university lecturer in Korea before joining IBM in 1982. His research interests include media processing and multimedia database access. He is currently managing joint research projects on multimedia applications for museums.

Gunnar Liestøl teaches hypermedia theory and practice and researches verbal and visual narratives and their relationships to new interactive technologies. His theoretical work has led to the design and development of hypermedia systems, including "Kon-Tiki Interactive." He has published on hypertext and hypermedia in several books and journals and on the Internet. He has been a visiting lecturer at the University of Zimbabwe and a visiting scholar at Stanford University.

Alicia Musalem studied mathematics with a major in Computer Science at the Universidad Cato'lica de Chile. Ms. Musalem has worked on providing computer services and educational computer software for several undergraduate courses. These projects were multidisciplinary endeavors on the part of teachers, designers and engineers. Ms. Musalem has also taught a "Multimedia Workshop" course in the Computer Science Department of the School of Engineering. She is currently in charge of the design and development of a system that will manage the work of faculty in the School of Arts and Architecture.

Dr. Raymond Pepermans is teaching Terminology and Museum Documentation at the University of Ottawa. He holds a Licence en Sciences Sociales from the Université Libre de Bruxelles with a specialization in Anthropology, and a Ph.D. in Linguistics from the Université de Montréal. He is currently the Project Director for the Parks Canada "Visual Dictionary of Materials Culture" in the position of Adjunct Professor.

Marc Rioux is a senior officer in the Institute for Information Technology (IIT) of NRC. He received a B. Ing. in physics in 1971 and a M.Sc. in physics in 1976, both from Laval University. He has worked on laser development and application, and on infrared holography before joining NRC in 1978. Most of his activities have since been related to digital 3-D laser imaging for machine vision, dimensional inspection, and visual communication.

Lene Rold has an Archaeology degree from Aarhus University and two years of Computer Science at Copenhagen University. She has been employed since 1987 as Curator at the National Museum of Denmark. The central focus of her work is the analysis and design of electronic databases for documentation and research of the Museum's collections.

Scott Sayre, Director of Museum Media and Technology, has been with the Minneapolis Institute of Arts Interactive Media Group since the spring of 1991. He received his Doctorate in Education from the University of Minnesota in 1990. Prior to his work with the MIA he held the position of Telecommunications Applications Specialist at the University of Minnesota's Telecommunications Research Center. He served on the Intermedia Arts board of directors from 1988-90 and more recently chaired the Fourth International Symposium of Electronic Art's interactive art gallery and electronic

theater. In the spring of 1995 Scott was awarded the University of Minnesota's Distinguished Alumni award for his contributions in the field of non-school-based education.

Dr. Robert Semper is the Executive Associate Director of the Exploratorium in San Francisco, CA. Dr. Semper received a Ph.D. in physics from Johns Hopkins University in 1973 and spent several years teaching and researching solid state and nuclear physics at Johns Hopkins, St. Olof College in Minnesota, Lawrence Berkeley Laboratory and UCSF. Currently he is Head of the newly developing Exploratorium Center for Media and Communication. In 1988, he was director of a creative collaboration between Apple Computer and Lucasfilm Ltd., which explored the development of interactive multimedia education projects combining computer graphics and film and video technology. Dr. Semper was a contributing consultant to Children's Television Workshop's PBS science program "3-2-1-Contact" and has been a consultant for a number of museums, television programs, and educational institutions. He is a member of the American Association of Physics Teachers and has served on its committee for Science Education for the General Public.

Lyn Elliot Sherwood is the Director General of the Canadian Heritage Information Network, the agency responsible for maintaining the national inventories of Canadian museum collections. In partnership with Canadian museums, CHIN is increasingly involved in the challenge of reaching the public through electronic products and services. Ms. Sherwood has extensive experience in the creation of electronic information networks and the management of policies and programs in the area of cultural heritage. Within the Canadian Federal Government she has held positions with the National Museums of Canada, the Canadian Radio-Television and Telecommunications Commission, the Privy Council Office, the Department of Communications and the Department of Canadian Heritage. As a consultant, she specialized in communications policy and history.

Oreste Signore is a Senior Researcher at CNUCE - Consiglio Nazionale delle Ricerche, where he been a project leader for the construction of an automated catalog of Italian Cultural Heritage. Prior to that, he has worked on operating systems, information retrieval systems and database design for CNUCE. Prof Signore has a degree in Physics; his research has focused on high energy physics and nuclear fusion. He has published extensively in international journals and conference proceedings. Prof. Signore's present research includes the study of user interfaces, hypertext/hypermedia and software engineering.

Jane Sledge has first hand experience with the challenges involved in creating and implementing meaningful information standards, having worked within the cultural heritage arena since 1977. As Assistant Director for Museum Services for the Canadian Heritage Information Network, Collections Information System Administrator for the Smithsonian, Chief of the UNESCO-ICOM Museum Information Centre at the International Council of Museums in Paris and now as Systems Project Manager with the Art History Program of the J. Paul Getty Trust, Ms. Sledge has had the opportunity to work on the both the practical and theoretical aspects of information producing systems for museums and cultural institutions.

Sheila I. Spiro arranged the 1994 Jerusalem field expedition, served as its imaging technician and project troubleshooter, and conducted the publicity campaign before and after the trip. As executive director of the Ancient Biblical Manuscript Center (ABMC), Ms. Spiro has initiated electronic collaborations for biblical studies and is bringing on-line access to the ABMC's holdings, including its major reference volume, "The Dead Sea Scrolls Catalogue." Ms. Spiro's undergraduate work was in Hebrew Bible.

Dr. Carol Strohecker, a senior research scientist at Mitsubishi Electric Laboratories, is concerned with how people learn and how computer technologies can support the process. Her dissertation research at the MIT Media Laboratory involved a study of epistemological and psychological factors involved in learning about knots and the topological relationships they embody. Carol has produced several award-winning interactive-video applications and has been a fellow of the Graduate School of Design at Harvard University, the Massachusetts Council for the Arts and Humanities, and the National Endowment for the Arts. From 1981 to 1984, Dr. Strohecker was director of publications for the Walters Art Gallery, a public art museum in Baltimore.

Selma Thomas is a filmmaker whose background, in both film and academia (as a historian), led her to experiment with the use of media, including multimedia, in public spaces. In 1987, she produced the highly acclaimed programs for "A More Perfect Union: Japanese-Americans and the U.S. Constitution", on permanent exhibition at the Smithsonian Institution's National Museum of American History. Since that time, Ms. Thomas has designed and produced electronic installations for a wide variety of institution including the Smithsonian Institution, the Institute of the American West, the Library of Congress, the National Gallery of Art, Washington, and the Exploratorium. She is particularly interested in the integration of media and multimedia into exhibitions.

Jennifer Trant is the Manager of the Getty AHIP's Imaging Initiative. A specialist in arts information management, she has worked with automated documentation systems in major Canadian museums, including the National Gallery of Canada and the Canadian Centre for Architecture, where she developed and implemented common cataloging standards for the Prints and Drawings, Photographs, and Archives Collections. Her recent work as an independent consultant included preparation of the report of the Art Information Task Force, "Categories for the Description of Works of Art." She also coordinated data preparation for the Luna Imaging CD-ROM publication of Frank Lloyd Wright's architectural drawings. Ms. Trant is Chair of the Multi-Media Working Group of the International Documentation Committee, ICM, and on the Board of the Media and Technology Committee of the American Association of Museums.

Douglas Tudhope lectures in hypermedia, computer graphics, and human-computer interaction at the University of Glamorgan. He graduated from Edinburgh University with a BSc in Computer Science and received a PhD from the University of Wales, College Swansea for work on computer vision. Prior to joining the University of Glamorgan, he worked at the university of California, San Diego for five years as a programmer/analyst on the Hubble Space Telescope project. His research interests include

hypermedia, knowledge-based approaches to information systems, and the sociology of computer technology.

Jan van der Starre was trained as an information scientist, and has held positions as librarian of the National Automotive College in the Netherlands, as documentation officer at DHV Consulting Engineers, and as librarian, coordinator of automation facilities, senior lecturer and researcher at the Amsterdam Library School. Dr. van der Starre is currently Automation Adviser at the Netherlands Institute for Art History in The Hague (RKD). He is involved in the European Commission-funded Van Eyck project, is secretary of the Dutch Museum Association's Section on Documentation and Registration and of the ICOM/CIDOC Multimedia Working Group, and is one of the editors of the Dutch library journal OPEN.

Angeles Espinosa Yglesias is President of Compact Disc Interactive of Mexico and Director of the Amparo Museum in Puebla, Mexico. She is also the Vice President of the Society of Friends of the National Museum of Modern Art. At the Amparo Museum, Ms. Yglesias is Director of the Historical and Cultural Research Center, as well as Director of post-graduate Special Courses. She has published various studies for the Mexican Foundation for World Monuments, as well as articles for the Amparo Museum's Diego Rivera and Frida Kahlo catalogs. She has also written "A Guided Tour Through the Amparo Museum." Lately Ms. Yglesias has developed several CD-I Titles such as MEXICO Scuba Diving Paradise, Frida Kahlo and Diego Rivera, and La Victoria Market.