

Luz Marina Quiroga
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Qualification:

Designing, teaching, researching, consulting and training in the area of computerized information systems. Specifically: Information Retrieval and Filtering, Library Systems and Web site design.

Education:

Ph.D. Library and Information Science, minor in Cognitive Science. Indiana University. School of Library and Information Sciences. Bloomington, IN. 1999.

Specialist in Library and Information Science. Indiana University. School of Library and Information Sciences. Bloomington, IN. 1995.

M.Sc. in Computer Science. Autonomous National University of Mexico, UNAM. Institute for Research in Applied Mathematics and Systems, IIMAS. Mexico City. 1984.

Postgraduate Studies in Library Science. Autonomous National University of Mexico, UNAM. 1983-1986.

Postgraduate Studies in Systems Engineering. National University of Colombia. 1974-1976

B.Sc. in Chemical Engineering. Universidad Industrial de Santander, Universidad de los Andes. Colombia. 1971

Areas of interest:

Information Retrieval, Information Filtering, User Modeling, Digital Libraries, Representation and Organization of Information. User-Centered Database Design, Content Access (Classification, Indexing), Internet in Latin America, Distance Education, and Community Informatics.

Current research projects:

Personalized Information Organization: Acquisition and Modeling of User's Interest Profile for Information Filtering Systems.

Technology competences for Information Professionals. Expectations and needs as perceived by employers, professionals and students. Implications for curricula development.

Community Informatics: learning about information needs of community service agencies; exploring avenues for cooperation between academic programs and local communities for the creation, management and use of information and systems, including digital collections, websites, databases.

Recent Publications:

Weinberger, Jessie S., Luz. M. Quiroga, and Martha Crosby (2006). "Context as a factor in categorization of personal digital documents". Accepted for presentation to the Annual Meeting of the American Society for Information Science and Technology (ASIST), Austin, Texas, November 3-8, 2006.

Quiroga, Luz M., Gladys Matus, Martha Crosby and Elizabeth Loyola (2006). "Information Technology Literacy: Examples from Academia in Chile and Hawaii". To be presented at the 2006 International Federation for Information Processing (IFIP) World Computer Congress (WCC). TC3: Education. IFIP. Conference on Education for the 21st Century - Impact of ICT and Digital Resources. Santiago de Chile, August 20-25, 2006.

Quiroga, Luz M. (2006). "Human/agent collaboration". Symposium: Skilled Human-intelligent Agent Performance: Measurement, Application and Symbiosis held during the 39th Annual Hawaii International Conference. Kauai, HI, January 4-7, 2006. Document available at:
<http://www.itl.nist.gov/iaui/vvrg/hicss39/HumanAgentCollaborationAbstract.doc>

Quiroga, Luz M. & Jennifer Cambell Meier (2005). "Communities of practice: increasing social capital through the integration of digital libraries, filtering, ontologies and social tworking". Proceedings of the 2005 International Conference on Knowledge Management (ICKM), Charlotte, NC, 27-28 October 2005: 137-148.

Quiroga, Luz M. & Pablo Villatoro (2005). Recommendations for an Integrated Information System at the Chilean National Council for Drug Prevention. Proceedings of the Thirty-Eight Annual Hawaii International Conference on System Sciences. Big Island, HI, January 3-6, 2005. Abstract in page153. PDF file available at IEEE digital library, <http://csdl2.computer.org/comp/proceedings/hicss/2005/2268/06/22680153b.pdf>

Quiroga, Luz M. (2005). "Sistemas de filtrado: un puente tecnológico entre oferta y demanda de información en línea al servicio de la toma de decisiones" / "Filtering systems: a bridge between offer and demand of online information in support of decision making processes". Chapter in: Yáñez, María Rebeca and Pablo Villatoro S.(comp.). Las nuevas tecnologías de la información y de la comunicación (TIC) y la institucionalidad social. Hacia una gestión basada en el conocimiento/ The role of Information and Communication Technologies (ICT) in the experiences of social polices in the Latin American and Caribbean Region. Economic Commission for Latin America and the Caribbean (ECLAC/CEPAL), United Nations; 2005. (Serie Políticas Sociales, 108).
http://www.cepal.org/publicaciones/DesarrolloSocial/8/LCL2298PE/sps_108.pdf

Quiroga, Luz M. & Martha E. Crosby (2004). Information Filtering. In: Berkshire Encyclopedia of Human-Computer Interaction; editor: William Sims Bainbridge, National Science Foundation. Berkshire Publishing Group LLC. [June 2004].
<http://www.berkshirepublishing.com/brw/product.asp?ProjID=29>

Luz M. Quiroga, Martha E. Crosby & Marie K. Iding (2004) "Reducing Cognitive Load". In: Proceedings of the 37th Hawaii International Conference on System Sciences. PDF file available at IEEE digital library, <http://csdl2.computer.org/comp/proceedings/hicss/2004/2056/05/205650131a.pdf>

Quiroga, Luz M. & Villatoro Pablo (2003). Tecnologías de información y comunicaciones: su impacto en la política de drogas en Chile. / Information and Communication Technologies: its impact on the politics of drugs in Chile. Serie: Políticas Sociales, n. 75, nov. 2003, 78 p. United Nations - Economic Commission for Latin America and the Caribbean (ECLAC)/ Comisión Económica para América Latina y el Caribe (CEPAL).

Note: Report prepared by the Social Development Division - CEPAL in the framework of an agreement for technical cooperation between the Minister of Interior of Chile and CONACE (Consejo Nacional de Control de Estupefacientes). The report includes a proposal for the information system for the CONACE information center.

Quiroga, Luz M. & Javed Mostafa (2002). "Evaluating interest profiles based on users' judgment, interest change, and class specificity in the context of filtering medical documents". In: Proceedings of the 65th Annual Meeting of the American Society for Information Science and Technology, vol. 39, pp. 307-315.

Quiroga, Luz M. & Javed Mostafa (2002). "An experiment in building profiles in Information Filtering: the role of context of user relevance feedback". Information Processing and Management, vol. 38, pp. 671-694.

Quiroga, Luz M. & Javed Mostafa (2000). "Empirical evaluation of explicit versus implicit acquisition of user profiles in information filtering systems". In Proceedings of the 63th Annual Meeting of the American Society for Information Science and Technology, vol. 37, pp. 4-13.

Quiroga, Luz M., & Javed Mostafa (1999). "Empirical Evaluation of Explicit versus Implicit Acquisition of User Profiles in Information Filtering Systems." Proceedings of Digital Libraries '99. The Fourth ACM Conference on Digital Libraries. University of California Berkeley, August 11-14.

Ford, C. & Luz M. Quiroga (1998). "Academic libraries in Colombia". In: Libraries: Global reach - Local touch. Kathleen de la Peña McCook, Barbara J. Ford and Kate Lippincott (eds.) p. 31-38. American Library Association, Chicago and London. (Book chapter).

Mostafa, Javed, Luz M. Quiroga & M. Palakal, (1998). "Filtering Medical Documents Using Automated and Human Classification Methods." Journal of the American Society for Information Science. Vol. 49, n.14.

Jacob, E., Javed Mostafa & Luz M. Quiroga (1997). "An Approach to the Evaluation of Automatically Generated Classification Schemes." In: P. Solomon (Ed.), Advances in Classification Research, Vol. 7 (pp. 78-98). Medford, NJ: Information Today. (Book chapter) .

Recent unpublished presentations

Quiroga, Luz M. (2004). "Sistemas de filtrado: un puente tecnológico entre oferta y demanda de información en línea al servicio de la toma de decisiones" / "Filtering systems: a bridge between offer and demand of online information in support of decision making processes". In: The role of Information and Communication Technologies (ICT) in the experiences of social policies in the Latin American and Caribbean Region. Economic Commission for Latin America and the Caribbean (ECLAC), United Nations; Santiago de Chile, August 10-12, 2004. Power Point presentation available at: http://www.eclac.cl/dds/noticias/paginas/2/14632/ppt_LMQuiroga_Hawaii.ppt.

Quiroga, Luz M. (2004). "Sistemas personalizados de información basados en perfiles de interés de usuarios / Personalized information systems and user profiles" University Playa Ancha. Librarians National Day, July 12, 2004.

Quiroga, Luz M. (2002). "Tecnología de apoyo al profesional de información en su papel como Arquitecto de Información / Technology for the Information Architect". Javeriana University, School of Information and Documentation". Invited by the National Accreditation Council, (CNA), Bogota, Colombia, August 5.

Quiroga, Luz M. (2002). "Arquitectura de Información / Information Architecture". Chilean Libraries Association. Santiago, Chile, July 25.

Quiroga, Luz M. (2002). Participation in a panel on: Professional Identity. "Market Analysis for Information Professionals". Technological Metropolitan University. Santiago, Chile, July 11.

Quiroga, Luz M. (2002) Participation (via videoconference) in a panel on: Experiences of information technology faculty in Library Schools. ALISE Annual Conference, New Orleans, January 17, 2002.

List of panelists: Douglas Oard, University of Maryland (USA), moderator; Luz Quiroga, University of Hawaii (USA) [by video conference]; Mark Sanderson, University of Sheffield (UK) [by teleconference]; Suresh Bhavnani, University of Michigan (USA) [by videoconference].

Quiroga, Luz M. & M. Dalbello (2001). Technology: What the employers want and what the students think the employers need. In SIG: Curriculum. [Convenors: Marija Dalbello (Rutgers) and Luz M. Quiroga (Hawaii)]. ALISE Annual Conference, Washington D.C., January 9-12.

Collins, C., Luz M. Quiroga, & C. Ford (2000). "An Exploratory Study of the Advantages and Limitations of a Virtual Conference". 63th Annual Meeting of the American Society for Information Science and Technology, Nov. 11-16.

Technical Reports:

Quiroga, Luz Marina (2003). "Guidelines for the development of an information and communication system for the information center of CONACE (Consejo Nacional para Control de Estupefacientes): Information technology proposal". Chapter in: United Nations - Economic Commission for Latin America and the Caribbean (ECLAC)/ Comision Economica para America Latina y el Caribe (CEPAL). "Cooperation Agreement between The Ministry of Interior of Chile and ECLAC: Analysis and proposal for the information system of CONACE", pp. 83- 104, appendix 1-11, pp. 1-17

Quiroga, Luz M., C. Ford & C. Collins (1999). "An Exploratory Study of the Advantages and Limitations of a Virtual Conference: an evaluation of the 15th APEC ISTWG Conference". First version of the Report presented to the Industrial Science and Technology Working Group (ISTWG) of the Asia Pacific Economic Cooperation (APEC)

Collins, C., Luz M. Quiroga & C. Ford (2000). "An Exploratory Study of the Advantages and Limitations of a Virtual Conference: an evaluation of the 15th APEC ISTWG Conference". Final version of the Report presented to the Industrial Science and Technology Working Group (ISTWG) of the Asia Pacific Economic Cooperation (APEC)

Current employment:

Assistant Professor. University of Hawaii. Information and Computer Science Program. Department of Library and Information Science. Honolulu, Hawaii

Previous employment:

Visiting Assistant Professor. University of Wisconsin. School of Library and Information Studies, Madison, 1999-2000

Graduate research assistant. School of Library and Information Science, SLIS. Bloomington. Indiana University, 1997-1999

Computing consultant. Student Technology Consulting. University Information Technology Services, UITS. Bloomington. Indiana University. 1996-1999

Reference assistant. Walden University Library Liaison (a distance education, postgraduate program). Summer session, 1995, 1996

Web developer. Walden University Library Liaison (a distance education, postgraduate program). Spring and Summer 1996

Professional Experience:

Researcher:

Researcher. Autonomous National University of Mexico, UNAM. Information Center in Sciences and Humanities, CICH. 1987-1990.

Researcher. Autonomous National University of Mexico, UNAM. Institute for Bibliographic Research. National Library. 1984-1987.

Lecturer:

Preparing a proposal for a distance education course on "Multimedia Information Retrieval" (UH-SLOAN Grant)

ICS691 - Information Architecture. University of Hawaii. Information and Computer Sciences. Honolulu, Hawaii. Fall 2002, 2003

ICS421 - Database Systems. University of Hawaii. Information and Computer Sciences. Honolulu, Hawaii. Spring 2002, 2003, 2004

ICS491 - Information Filtering - Personalized Web-based Information Delivery. University of Hawaii. Information and Computer Sciences. Honolulu, Hawaii. Spring 2001

LIS672 - Library Automation. University of Hawaii. Information and Computer Sciences, Library and Information Science Program. Honolulu, Hawaii. Spring 2001, Fall 2003

LIS647 - Systems Approach to Library Operations. University of Hawaii. Information and Computer Sciences, Library and Information Science Program. Honolulu, Hawaii. Spring 2001, 2002, 2003, 2004

ICS491 - Personalization in Information Delivery. University of Hawaii. Information and Computer Sciences, Library and Information Science Program. Honolulu, Hawaii. Fall 2000

SLIS551 - Organization of Information. University of Wisconsin. School of Library and Information Studies. Madison, Wisconsin. Fall 1999, Spring 2000

SLIS561 - Information Use and Users. University of Wisconsin. School of Library and Information Studies. Madison, Wisconsin. Fall 1999, Spring 2000

Information Retrieval. National University, School of Library and Information Science. San Jose, Costa Rica. 1994.

Internet, for faculty members of SLIS. National University, School of Library and Information Science. San Jose, Costa Rica. 1994.

Data Structures and Databases. Autonomous National University of Mexico, UNAM. Computer Engineer School. 1989-1990.

Data Structures. Autonomous National University of Mexico, UNAM. Research Institute in Mathematics and Systems, IIMAS. Graduate program. 1985-1986.

Computerized Cataloging. University of San Luis Potosi. Library Science School. San Luis Potosi, Mexico. 1984-1985.

Library Automation. La Salle University of Colombia. Library and Information Science School. Bogota. 1979.

Digital Programming. Pilot University of Colombia. Systems Engineering School. Bogota. 1979.

Designer/ Manager:

Head of the Computer Department. National Library. Institute for Bibliographic Research. Autonomous National University of Mexico, UNAM. Mexico. 1984-1987

System Engineer. Computer Center for the Education Sector. Colombian Institute for Studies Abroad, ICETEX. Bogota, Colombia. 1978-1979

System Designer. Colombian Institute for Higher Education, ICFES. Documentation Department. 1973-1978

Consultant:

CONACE - Consejo Nacional para Control de Estupefacientes. Technical assistance provided by United Nations - Economic Commission for Latin America and the Caribbean (ECLAC)/ Comision Economica para America Latina y el Caribe (CEPAL) to the Information Center of CONACE. (2002). Member of the consultant group, responsible of the Information Technology proposal.

United Nations - Economic Commission for Latin America and the Caribbean (ECLAC)/ Comision Economica para America Latina y el Caribe (CEPAL) (2000). Design and development of a website for the "Development and Social Equity in Latin America and the Caribbean" project within the ECLAC Social Development Division Intranet. Training in electronic conference software (WebBoard).

Chilean National Commission for Science and Technology, CONICYT. (1999). Technical support for the Chilean participation in the XV Virtual Meeting of the Industrial Science and Technology Working Group (ISTWG) of the Asia Pacific Economic Cooperation (APEC).

Chilean National Commission for Science and Technology, CONICYT. Department of International Relations. (1997, 1998). Design and implementation of a project management system

Mexican National Council of Sciences and Technology, CONACYT. Information Department. (1985-1990). Serial Union Catalog; Audiovisual Mexican Catalog

International Development Research Center, IDRC Canada. (1985-1990). Training of Latin American users of the MINISIS library system.

Iberoamerican University. Mexico. (1988-1990). Conversion of cataloging MARC records among different systems: LOGICAT, MINISIS, Microisis

Mexican Academy of Human Rights. Mexico. (1988-1990). Design of library system according to HURIDOCS standards (Human Rights Documents Systems)

Trainer: Workshops / Continuing Education Courses

Quiroga, Luz M. June 11-21, 2003: Object oriented system analysis and design; relational databases. Third international training program STIMULATE: Scientific and Technological Information Management in Universities

and Libraries: an Active Training Environment. University Library of the Vrije Universiteit Brussel (V.U.B); Brussels, Belgium, May 9 - July 28, 2003.

<http://www.vub.ac.be/BIBLIO/itp/stimulate3/index.html>

Escamilla, G. & Luz M. Quiroga, "Computers Technology in Library Science". Queretaro University, CIIDET / Regional Technological Schools Department. November 14 - December 2, 1983.

Castanon, B. & Luz M. Quiroga, "Conceptual analysis of information. Thesauri construction." University Center for Research in Library Science, Autonomous National University of Mexico (CUIB-UNAM). National Council of Sciences and Technology, CONACYT. Embassy of France. Mexico, D.F. 1985-1989. Workshop offered during the Annual Courses for Builders of Automated Bibliographic Information.

Quiroga, Luz M. "MINISIS." Information Management tools system developed by IDRC, Canada. Basic and advanced course. 1986-1989 Quiroga, Luz M. "Micro CDS-ISIS." A non commercial information storage and retrieval software package developed by Unesco, France. Basic and advanced course. 1987-1989.

Service:

Faculty advisor for the SLA student chapter, UH-LIS (2004)

Organizer of a panel on "Digital libraries in Latin / Ibero America" for the 2003 Annual Meeting of ASIST.

Chair elect of the Special Interest Group on Digital Libraries of ASIST (2003-2004)

Member of the ASIST Information Science Education Committee Jury - The Pratt Severn Best Student Research Paper Award Jury (2003)

Member of the Examination Committee for the Doctoral Program in Communication and Information Sciences - University of Hawaii (2002, 2004)

Member of the ASIST Information Architecture Education Subcommittee (2002-2003)

Member of the Curriculum Committee. UH-LIS program (2000-2004)

National Accreditation Council, (CNA), Bogota, Colombia, August 2002. International Jury for the accreditation of the School of Information and Documentation, Javeriana University.

Reviewer for IPL: Information Processing Letters, Elsevier (2003)

Reviewer for JELIS: Journal of Education for Library and Information Science- ALISE (2002).

Member of the Nominations Committee of ALISE 2001-2002 (Association for Library and Information Science Education).

Community Service

Supervision of Information and Computer Science / Library and Information Science student projects aimed to improve information organization, access, use, and systems. Students analyze information systems, and design databases, web-sites, library systems for nonprofit organizations

Volunteer. Instructor. Monroe County Senior [CyberNet](#), 1999.

Other Publications:

Castanon, B. & Luz M Quiroga. "Pre y post coordinación en encabezamientos de materia [Pre and post coordination in subject headings]". International meeting of users of the LEMB Subjects Headings List. First Seminar on Terminology. Bogota, Dec. 4-7 1989. ICFES, SIDES.

Guzman, I. & Luz M. Quiroga. "La metodología de Warnier aplicada al diseno integral de sistemas de información bibliotecarios [Warnier methodology applied to the design of library systems]". Annual meeting of the MINISIS users' group. Beijing, China. Oct. 9 - 13 1989

Quiroga, Luz M. et al. "Guia para la definición de bases de datos compatibles con el formato MARC [Guidelines for the design of databases compatible with the MARC format]". Institute for Bibliographic Research, Mexico, UNAM. 1987

Quiroga, Luz. "Una nueva etapa en la historia de la Bibliografía Mexicana: su automatización [A new phase in the history of the National Mexican Bibliography: its computerization]". Annual Bulletin of the Institute for Bibliographic Research, 1987

Rovalo, L. & Luz M. Quiroga. "Uso de MINISIS en la automatización del Catalogo Colectivo de Publicaciones Seriadas. [Use of MINISIS for the computerization of the National Union Serials Catalog]". 8th International Conference of the MINISIS Users' Group. Mexico, Oct. 1987.

Diaz, M. & Luz M. Quiroga,. "Tipobibliotecografía [TEX typographic macros for automated bibliographies]". Proceedings of the II Conference on library automation. CONACYT; UAM; Colima University. Mexico D.F. Ap. 16-18, 1986

"Intercambio de información [Information Interchange]". Proceedings of the 9th Book Fair. Information Industry and Services: New Information Technologies. Universidad Autónoma de Guadalajara. Library Science School. 27-31 Oct. 1986.

Diaz, M. & Luz M. Quiroga,. "Tipobibliotecografía [TEX typographic macros for automated bibliographies]". Proceedings of the 7th Annual meeting of the MINISIS users' group. Washington D.C. Oct. 28 - Nov. 1 1985

Quiroga, Luz M. & A. Buchman. "La automatización en el Instituto de Investigaciones Bibliográficas [Automation in the Institute for Bibliographic Research]". Proceedings of the First conference on library automation. Mexico, Colima University. Colima, Mexico. Nov. 14-16 1984.

Buchman, A. & Luz M. Quiroga. "Computación distribuida en bibliotecas [Distributed computing in libraries]". Proceedings of the First conference on library automation. Mexico, Colima University. Colima, Mexico. Nov. 14-16 1984.

Quiroga, Luz M. "Control del archivo de autoridades del Instituto de Investigaciones Bibliográficas [Authority files in the Institute for Bibliographic Research]". Proceedings of the II Conference on librarianship research. University Center for Librarianship Research, CUIB. UNAM. Sep. 1983.

"Sistemas automatizados de información en Bibliotecas de USA y Canadá [Automated systems in libraries from USA and Canada]". (Coauthor). Published by the Colombian Institute for Higher Education (ICFES) with a grant from Organization of American States, OAS. Bogota, 1978, 115 p.

Unpublished work / Presentations

["Issues and possible actions in the development of a Global Internet Training program for a Latin American Institution. A proposal"](http://php.ucs.indiana.edu/~lquiroga/train-abs.html). Jan. 1996. <http://php.ucs.indiana.edu/~lquiroga/train-abs.html>

"Internet en Latinoamerica". Guest in the TV program "Conversemos" broadcasted to Latin America from Voice of America, in Washington, D.C. June 22, 1995

["Guide to Internet resources in Latin America \(Gophers in South America\)"](http://php.ucs.indiana.edu/~lquiroga/gf.html). Jan. 1995. <http://php.ucs.indiana.edu/~lquiroga/gf.html>

["Use of Internet in Latin America"](http://php.ucs.indiana.edu/~lquiroga/golarep.html).

Jan. 1995. <http://php.ucs.indiana.edu/~lquiroga/golarep.html>

"Internet como apoyo a la investigación [Internet as a research support tool]". Seminar on Research and Education. School of Education. National University. San Jose, Costa Rica, June 1994

"Características generales, aplicaciones y evaluación de software utilizado en el campo de los derechos humanos: perspectivas y alternativas [Characteristics, application and evaluation of software used for human rights documentation]". Segundo Montes Latin American Workshop on Information and Documentation for the Defense of Human Rights. Uruguay, Montevideo, Mayo 14-25, 1990

"Importancia de la fase de diseño en la creación de un sistema de información [Importance of the design phase when building cooperative information systems]. Segundo Montes Latin American Workshop on Information and Documentation for the Defense of Human Rights. Uruguay, Montevideo, Mayo 14-25, 1990

Quiroga, Luz M. "Formatos standard de comunicación de datos bibliográficos. Ventajas y desventajas [Standardized Bibliographic Data Communication Formats. Advantages and disadvantages]". Segundo Montes Latin American Workshop on Information and Documentation for the Defense of Human Rights. Uruguay, Montevideo, Mayo 14-25, 1990

Diaz, M. & Luz M. Quiroga, "Electronic Publishing". August 15, 1988. Workshop during the V International Course in Technology, Systems and Communication of Information: Globalization and Industry of Information. Information Center for Science and Humanities, CICH. Autonomous National University of Mexico, UNAM, Mexico August 8-26, 1988. The presentation was based on the experience of one of the first electronic publications in Mexico. The National Mexican Bibliography, produced by the National Library, was one of them.

Quiroga, Luz M. "Base de datos de autoridades para apoyo a la catalogación bibliográfica en línea [Authority control databases to support online cataloging]. Unpublished thesis. M.Sc. Computer Science. Autonomous National University of Mexico, UNAM. Institute for Research in Applied Mathematics and Systems (IIMAS). Mexico City. 1984