

CURRICULUM VITAE

Cris Pedregal Martin

EDUCATION	Ph.D. Computer Science	Univ. of Massachusetts, 2002	Amherst, Mass.
	M.S. Computer Science	Univ. of Massachusetts, 1994	Amherst, Mass.
	Licenciado Informática	ESLAI (Univ. Luján), 1988	Argentina

2002-present **University of New Mexico** Albuquerque, N.M.
▪ Investigated transactional recovery in novel applications and platforms; system tradeoffs in novel architectures; information technology infrastructure decay.

RESEARCH EXPERIENCE

1994-2001 **University of Massachusetts** Amherst, Mass.
▪ Investigated foundations of transactional recovery, from databases to mobile to electronic commerce systems; research was central to multi-year \$300K NSF grant.
▪ Designed and supervised development and deployment of database-backed web-based instructional system.
▪ Investigated how to provide programming language support for real-time and for advanced transactions functionality – in collaboration with Bell Labs.

Summer 1994 **Xerox PARC** Palo Alto, Calif.
▪ Worked in design and implementation of multimedia delivery and markup system.

Summer 1993 **GTE Labs (Verizon)** Waltham, Mass.
▪ Investigated integration of advanced transactions into a distributed object manager.

PUBLICATIONS

- Cris Pedregal Martin and Krithi Ramamritham: Support for Recovery in Mobile Systems ([PDF](#)), *IEEE Transactions on Computers*, 51(10), October 2002.
- Cris Pedregal Martin and Krithi Ramamritham: Guaranteeing Recoverability in Electronic Commerce ([PDF](#)), in *Proc. Third International Workshop on Advanced issues of E-Commerce and Web-Based Information Systems*, San Jose, Calif., 21-22 June 2001.
- Agustín Schapira, Kim De Vries, and Cris Pedregal Martin: MANIC: An Open-Source System to Create and Deliver Courses over the Internet ([HTML](#), [PDF](#)), in *Proc. 2001 Symposium On Applications and the Internet (IEEE Computer Society Press)*, San Diego, Calif., 11-12 January 2001
- Cris Pedregal Martin and Krithi Ramamritham: Recovery Guarantees in Mobile Systems, ([PDF](#)), in *Proc. International Workshop on Data Engineering for Wireless and Mobile Access*, Seattle, Wash., 20 August 1999.
- Cris Pedregal Martin and Krithi Ramamritham: Toward Formalizing Recovery of (Advanced) Transactions ([PDF](#)), in *Advanced Transaction Models and Architectures*, S. Jajodia and L. Kerschberg, editors, Kluwer, Boston, 1997.
- Cris Pedregal Martin and Krithi Ramamritham: Delegation: Efficiently Rewriting History ([PDF](#)), In *Proc. of the Thirteenth International Conference on Data Engineering*, Birmingham, UK, 7-11 April 1997.

