

Channah F. Naiman

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Education

- 1995 PHD. IN MANAGEMENT INFORMATION SYSTEMS The University of Illinois at Chicago
Specialized in: Design and implementation of integrated information systems, with emphasis on strategic planning to align Information Technology platform with business goals.
Dissertation: SCOPES: An Architecture to Support the Coordination of Heterogeneous Information Systems
- 1979 MASTER OF COMPUTER AND INFORMATION SCIENCES
Cleveland State University, Cleveland, Ohio
Specialized in: Accounting and Information Systems **Honors:**
Beta Gamma Sigma
- 1978 BACHELOR OF SCIENCE IN COMPUTER AND INFORMATION SCIENCES Cleveland State University, Cleveland, Ohio
Secondary Specialization: Accounting

Academic Experience

- 1994-present *THE HEBREW THEOLOGICAL COLLEGE*
Chairman, Department of Computer and Information Sciences.
Responsible for all administrative and academic functions, including hiring and staffing, curriculum development, faculty supervision and evaluation, local business liaison, development of internship program, development of extension-division certificate programs, development of Microsoft Certification training programs, preparation of departmental NCA review including assessment and self-study departmental sections, student advising, computer and lab facilities planning. Also developed Technology Plan for the college, in coordination with all college technology users. Taught Database Design, Systems Analysis and Design, E-commerce, various programming languages, as well as a mathematics sequence from Developmental Math through Calculus.
- 2000-present **Coordinator, Business Curriculum.** Proposed and developed new major for the college, including all admissions and curricular requirements, as well as support infrastructure.
- 1995-present *UIC; ROOSEVELT UNIVERSITY; LOYOLA UNIVERSITY CHICAGO.*
Adjunct Faculty. Taught courses at the undergraduate and graduate levels in both Business and Computer Science Departments. Taught programming languages, Systems Analysis, Project Management, Database Management, Intro to MIS, Intro to CS, IT for Management, E-commerce, Business Statistics, Operations Management, Expert Systems, History of Computing, Data Mining, Organizational Development and Competitive Strategy. Taught courses for International MBA programs. Developed online courses in Operations Management and Database Design. Developed Virtual Server course support system with the Academic Computing Center of UIC.
- 1980-1990 *NORTHEASTERN ILLINOIS UNIVERSITY*
Instructor/Visiting Lecturer, Department of Computer Science. Taught courses in programming languages, Operating Systems, Systems Analysis and Personal Computing. Consulted on curriculum development and textbook review.
- 1978-1985 *CLEVELAND STATE UNIVERSITY, OAKTON COMMUNITY COLLEGE, CITY COLLEGES OF CHICAGO.* **Part-time Academic Positions.**

Professional Experience

- 2006-present **PIROUETTE SOFTWARE, CHICAGO, ILLINOIS.**
Lead Engineer. Responsible for the design and analysis of algorithms, data structures and mechanisms to support cooperation among heterogeneous and autonomous information sources across mobile ad-hoc networks.
- 1980-present **Computer Systems Consultant.** Designed and implemented various business, educational and statistical systems. Served in an advisory capacity for IT strategic planning. Set up and delivered training programs. See selected project list below.
- 1978-1979 **THE STANDARD OIL COMPANY, CLEVELAND, OHIO.**
Programmer. Accounting applications programs for Property Management systems.

NSF Grant, SBIR Program (2006): "Feasibility of Mobile Peer-to-Peer Search on Hand-held Devices". Served as Principal Investigator and Project Manager.

SELECTED LIST OF CONSULTING PROJECTS

Pirouette Software, Chicago, Illinois. Project Director. Feasibility study, machine learning in disruption-tolerant mobile ad-hoc networks. Work supported by NSF grant.

S & J Analysts, Detroit, Michigan, and NYC. Statistical modeling, marketing and CRM forecasting. Developed marketing and CRM models to support regional statistical consulting firm, across several offices and using distributed data sets.

BNB Tax Consultants, NYC. Requirements analysis and database design to support web-based transaction support across 10 offices in the tri-state area.

Department of Buildings, Chicago, Illinois. Directed a team for review of the information requirements analysis and database design of the inspection services of the DOB.

Metropolitan Water Reclamation District of Greater Chicago. Directed a team which produced the departmental level information requirements documentation, including database design, entity-relationship diagrams, data-flow diagrams, task decomposition, and detailed requirements specifications.

Metamor Technologies, Chicago, Illinois. Directed a team in designing and implementing a License Tracking System, including web-based interface, report generation, and database interface to the Internet.

The Chessie System, Operations Research Department. Design and implementation of an interactive information retrieval system and statistical processing of Railroad Retirement System data.

Zemsky Brother Department Store. Implemented inventory system support functions.

JESNA. Automated test grading and complete statistical analysis of a National Achievement Test for a national testing agency. Over 10,000 students were tested. Responsible for initial client contact, selection of hardware and software, cost/effectiveness evaluation, design of interactive data entry, supervision of all programming and implementation.

DAVKA Corporation. Multimedia interactive educational games, incorporating assembly- language music and graphic routines, interfaces with packaged software animation routines.

Several business and non-profit organizations. Consulted on the planning of IT infrastructure, internet connectivity, computer lab facilities planning, computer training programs.

Teaching Interests

Business Statistics
Data Mining
Database Design
Ecommerce (business and technical courses)
Systems Analysis and Design
Object-Oriented Programming Languages

Research Interests

Distance Learning and Instructional Design
IT Strategic Planning
Integration Issues on the Internet (including web mining)
Statistical Databases and Data Mining

Publications

- Xu, B., Wolfson, O., and Naiman C.** 2009. Machine Learning in Disruption-Tolerant MANET's. ACM Trans. Autonomous and Adaptive systems, Vol. 4, No 4, Article 23, Publication date: November 2009.
- B. Xu, O. Wolfson, C. Naiman, N. D. Rishe, R. M. Tanner,** "A Feasibility Study on Disseminating Spatio-temporal Information via Vehicular Ad-hoc Networks," 3rd International Workshop on Vehicle-to-Vehicle Communications, Istanbul, Turkey, V2VCOMM, June, 2007. V2VCOM 2007.
- C. F. Naiman and A. Ouksel,** "A Classification of Semantic Conflicts," Journal of Organizational Computing, 5, 2, 167-193, 1995.
- A. Ouksel and C. F. Naiman,** "Coordinating Context in Heterogeneous Information Systems," Journal of Intelligent Information Systems, Volume 3, 151-183, 1994.
- A. Ouksel and C. F. Naiman,** "Semantic Mechanisms for Cooperation in Heterogeneous Database Systems," in the Proceedings of the Workshop on Information Technology Systems, Dallas, Texas, December, 1992.
- A. Ouksel and C. F. Naiman,** "Towards the Design of a Semantic Communication Protocol," in the Proceedings of the IEEE International Conference on Systems, Man and Cybernetics, Chicago, Illinois, Volume 2, 1271-1276, October, 1992.

References for Channah F. Naiman

Professor J. Christopher Westland, Head, Department of Information and Decision Sciences, University of Illinois at Chicago.

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Professor Arkalgud Ramaprasad, former Head, Department of Information and Decision Sciences, University of Illinois at Chicago.

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Professor Chandra Sekharan, Chairman, Department of Computer Science, Loyola University Chicago.

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Professor Sekaharan is on leave. The interim chairman is:

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