

John A. Lehman

University of Alaska Fairbanks,
PO Box 756080, Fairbanks, Alaska 99775-6080
(907) 474-5668 (voice), 474-5219 (FAX)
Email: jalehman@alaska.edu

Home: PO Box 83837 Fairbanks, Alaska 99708 (907) 479-0210

EDUCATION

1977-1982:

University of Michigan Graduate School. PhD in Computers and Information Systems. Dissertation: *A Methodology for Design of Decision Support Systems Based on the Human Information Processing System.*

1975-1977:

University of Michigan Graduate School of Business Administration. MBA in accounting and information systems. Graduated in top 10% of class.

1972-1973:

University of Michigan Graduate School. MA with honors in Chinese language and literature. Thesis: *A Study of Wen-tzu.*

1969-1972:

University of Michigan College of Literature, Science and the Arts. BA with honors in Chinese language and literature. Thesis: *The Poetry of T'ao Yuan-ming and Han Shan.*

1967-1971:

Undergraduate work at the University of Kansas, the University of Minnesota, National Taiwan Normal University and the University of Wisconsin Stevens Point.

WORK

1991-present:

University of Alaska Fairbanks, Professor (Business Administration).

1997-present:

University of Alaska Fairbanks, Director International Programs

1996-1997:

University of Alaska Fairbanks Rasmuson Library Archives, Technical Director Wenger Eskimo literature database project.

1995-1996:

University of Alaska Statewide System, Executive Director for Networks and Telecommunications.

1993-1995:
University of Alaska, Executive Director for Information Technology.

1993:
University of Alaska Fairbanks, Technical Director, Arctic Region Supercomputer Center.

1991-1993:
University of Alaska Fairbanks, Acting Dean, School of Management.

1987-1991:
University of Alaska Fairbanks, Associate Professor (Management Information Systems).

1983-1989:
American Assembly of Collegiate Schools of Business, MIS Summer Faculty Development Institute Core Faculty (Software Engineering).

1982-1987:
University of Minnesota, Assistant Professor (Management Information Systems).

1979-1981:
Database Systems Research Group, University of Michigan. Research in computerized information system design.

1977-1979:
School of Business Administration, University of Michigan. Teaching Assistant and Research Assistant.

1976-1977:
Graduate School, University of Michigan. Carried out Operations Research studies; designed and implemented Decision Support Systems.

1974-1976:
Registrar's Office, University of Michigan. Acting Assistant Registrar for Registration. Supervised implementation of IMS-based online registration system.

1973-1974:
National Taiwan Normal University. English Instructor.

OTHER

RESEARCH AND CONSULTING INTERESTS:

Intercultural communications, Chinese business, ethical and social issues.

PROFESSIONAL CERTIFICATIONS:

CMA (Certified Management Accountant). Certified On-line instructor

FOREIGN LANGUAGES:

Fluent in Mandarin Chinese, French, German, and Spanish,; also speak some Cantonese, Tibetan, Dutch, Russian and Japanese; read classical Chinese and Latin.

PUBLICATIONS:

[See attached list](#)

Last updated August 20, 2009 John A. Lehman jalehman@alaska.edu

Publications and Presentations

PUBLICATIONS

Books

- *System Design in the 4th Generation: Object-based development using dBASE IV*, (John Wiley and Sons, New York, 1991).
- *Object-Based 4th Generation Program Design with LINC II on the Unisys A-series computer*, (published for Unisys Corporation, 1990).

Book Chapters

- "[User Documentation](#)" in *MacMillan Encyclopedia of Computers*, 1991.
- "Choosing the Appropriate Decision Support System" in *Handbook of Manufacturing Automation and Integration*, Auerbach, New York, 1989.
- "A Small Computer Accounting System," *The Scelbi/Byte Primer*, 73 Co. Petersburg, NH, 1977.
- "Computer Languages - Simplified", *Hobby Computers are Here*, 73 Co. Petersburg, NH, 1977.

Refereed Journals

- "Intellectual Property Rights and Chinese Tradition" Section: Philosophical Foundations. *Journal of Business Ethics*, 2006, pp 1-9.
- "Sexual Harrassment in the Workplace: Europe" *Journal of Business Case Studies*, Volume 2 Number 3 Third Quarter 2006 pp. 65-70.
- "Chinese Ethics in Communication, Collaboration, and Digitalization in the Digital Age," (with Hsieh, Y. C. and Hsieh, C. C.) *Journal of Mass Media Ethics*, 18,3/4 (Winter 2003)
- "An Empirical Comparison of Data Dictionaries and Data Structure Charts for documenting COBOL programs," *IEEE Transactions on Software Engineering*, 15,9 (September 1989) pp. 1131-1137.

- "Business Graphics Trends, Two Years Later" (with V. Sambamurthy), *Information and Management*, 16 (1989) pp. 57-69.
- "Decision Support Systems vs. Expert Systems: Selection and Implementation," *Data Base Management*, Summer, 1989.
- "Fourth Generation Languages: User, Applications, Problems, and Satisfaction" (with J. Wetherbe), *Journal of Information Systems Management*, v.6 #3 (Summer, 1989) pp. 44-52.
- "A language-independent course in program design and programming for MIS students" (with J.D. Naumann), *ACM-SIGCSE Bulletin*, 18, 4 (Dec.1986) pp.32-37.
- "Business Graphics: a Taxonomy for Information Systems Managers," *Database*, 18, 1 (Fall, 1986).
- "Organizational Size and Information System Sophistication," *Journal of Management Information Systems*, (Winter 1985-6), pp.78-86.
- "Program Design and Rhetoric," *IEEE Software Engineering*, 3, 3 (May, 1986) pp.71-73.
- "Mainframe and Microcomputer-based Business Graphics: What Satisfies Users?" *Information and Management*, 10,3 (March, 1986) pp.133-140.
- "Selecting and Implementing Decision Support Systems," *Data Base Management*, July, 1985 pp.1-8.
- "Personal Computing Vs Personal Computers," *Information and Management*, 9,5 (Dec. 1985) pp.253-259.

Refereed Proceedings

- "XBRL as an exchange standard for multinational financial data: a technical overview" Proceedings of the International Applied Business Research Conference in Puerto Vallarta Mexico from March 14 through 19, 2002
- ["Electronic Commerce in Mexico: domestic development vs. US Spanish-language sources"](#) Proceedings of the International Applied Business Research Conference, Puerto Vallarta, Mexico, March 13 - 17, 2000
- ["Student Reactions to a world wide web-based Textbook: an exploratory study";](#) (with Lehman, L.), Proceedings of the First annual Webnet Conference, San Francisco October 15-18, 1996.
- "Problems in developing a world wide web-based Proceedings" Proceedings of the 4rd Annual International Conference on Business Environment and Strategy, Anchorage, July 1996.
- ["Information Infrastructure in the Pacific Basin," Proceedings of the 3rd Annual International Conference on Business Environment and Strategy, Hong Kong, August 1995.](#)
- ["Paving the Pacific; Extending the Information Highway Around the Pacific Rim," Proceedings of the 2nd Annual International Conference on Business Environment and Strategy, Sun Valley, Idaho, August 1994.](#)
- ["The Integration of Environmental Considerations into Graduate Management Education of International Business," Proceedings of the First International](#)

- [Conference on Global Business Environment and Strategy, March 12-15, 1993, National Chung Kung University, Tainan, Taiwan, ROC.](#)
- ["Japanese Computer Research - A Topic Analysis" \(with Lehman, L.\), Proceedings of the Twenty-Second Annual Meeting of the Western Decision Sciences Institute, San Diego, California, March 30-April 2, 1993, pp. 164-166.](#)
 - "Software Science Metrics for Fourth Generation Languages: Additional Evidence" (with Lehman, L.), Proceedings for the Beijing International Symposium for Young Computer Professionals, Beijing, China, August 21-23, 1989.
 - "The Impact of Graphical Displays on Persuasion: an Empirical Study" (with D. Vogel and G. Dickson), Proceedings of the Seventh International Conference on Information Systems, December, 1986.
 - "Personal Computing vs Personal Computers," in End-User Computing: The Changing Role of the Systems Professional and the End User, SIGBDP, May, 1985 pp.97-102.
 - "Mainframe and Microcomputer-Based Business Graphics; End User Computing Comparisons and Trends" (with Doug Vogel), in End-User Computing: The Changing Role of the Systems Professional and the End User, SIGBDP, May, 1985 pp.66-73.

Invited and Editorial Board-selected Papers

- "Neo-Confucian vs. Communist influences on Chinese views of intellectual property." 2006 joint PRDLA and PNC Conference held in Seoul, Korea August 22-25, 2006.
- ["A social construction of technology \(SCOT\) model of the failure of web-based distance delivery programs in traditional universities"](#) 2004 joint PRDLA and PNC Conference held at Taipei, Taiwan October 19-21, 2004.
- ["Work flow in E-publishing and its impact on tools and standards"](#) 2002 PNC Conference held at Osaka, Japan, September 20-22, 2002.
- ["Open E-book vs. TEI-lite; ebook standards compared"](#) 2001 PNC Interim Conference held at Guadalajara, Mexico on December 2 - 4, 2001.
- ["XML-Based Conversion Of The Digitized *Hanyudazidian* to Internationally Standardized Digital Archive Formats "](#) (with C.C. Hsieh, Yamin Chou, and Taifeng Hsueh) Proceedings of the 3rd International Conference on Sinology, Academia Sinica June 29-July 1, 2000.
- [" Chinese Newspaper Metadata: Presenting Content of Science News "](#) (with Ying-chun Hsieh, Shyue-shuo Huang, Christian Wittern, Rick Jelliffe and Ching-chun Hsieh) Electronic Cultural Atlas Initiative Conference, London, June 26-28 2000
- ["The Use of Kewen as Knowledge structure for comparing textual variants"](#)(with C.C. Hsieh) 2000 Annual Meeting of the Pacific Neighborhood Consortium, UC Berkeley.
- ["A typology of electronic projects with implications for project management"](#) 1999 Annual Meeting of the Pacific Neighborhood Consortium, Academic Sinica, Taipei, Taiwan.

- ["Geographical Information Systems for Cultural Atlas Projects."](#) (with Lisa Lehman) HiSources 1998, Russian Academy of Sciences, 2nd International Conference "Historical Sources of Eurasian and North African Civilizations: Computer Approaches, " Moscow, June 1998
- "Markup on the web -- from TEI to XML" (with Lisa Lehman) 1998 Annual Meeting of PNC May 15 -18, Taipei, Taiwan
- ["An overview of standards for electronic text development and indexing"](#) (with Lisa Lehman) 35th ICANAS International Congress of Asian and North-African Studies, Budapest, Hungary, 7-12 July 1997
- ["Automatic Markup of SGML Text Databases"](#) Pacific Neighborhood Consortium Special Meeting, Academic Sinica, Taipei February 1997.
- ["Core Text Identification for Full-text Databases"](#) (with Lisa Lehman) Pacific Neighborhood Consortium Special Meeting, Academic Sinica, Taipei February 1997.
- "Multimedia Elements in TEI Databases" 10th ISO Working Group on Chinese-Japanese-Korean Language Document Processing, Taipei February 1997.
- ["Hypertext and Multimedia Alternatives for Asian Language Text Corpora -- Revised Recommendations"](#); 9th ISO Working Group on Chinese-Japanese-Korean Language Document Processing, Sydney September 1996.
- [" World Wide Web-Based Textbooks for Internet Education"](#) (with Lisa Lehman), INFORMS, Washington DC, May, 1996
- "Hypertext and Multimedia Alternatives for Asian Language Text Corpora," 7th ISO Working Group on Chinese-Japanese-Korean Language Document Processing, Hanazawa, Japan, March 1995
- "Software Design methodologies for fourth generation languages," ORSA/TIMS, Osaka, Japan, July 1989.
- "Software Science Metrics for Fourth Generation Languages: A Preliminary Study," (with Marvin Andresen and Lisa Lehman), Proceedings of the Western Decision Sciences Institute (March 22-24, 1989).
- "The Evolution of Business Graphics Use within Organizations," TIMS/ORSA Washington DC (Apr.25-27, 1988).

Other Proceedings

- "Software Engineering for Managers: An MBA Level Course" (with J.D. Naumann), ISECON'87 Proceedings, San Francisco, Oct.31-Nov.1, 1987).
- "User Satisfaction with Business Graphics in Integrated Hardware Environments," National Computer Graphics Association Proceedings, (May, 1986) pp.269-278.
- "Business Graphics: Uses, Impediments, and Trends" (with Doug Vogel), Proceedings of the 3rd Annual Office Automation Society Conference, Minneapolis, Sept.3-6, 1985.

Practitioner-Oriented Articles

- "Learning LINC Part 1" *UniReview*, 1,11 (May 1990) p. 35.

- "Learning LINC Part 2" *UniReview*, 2,3 (Sept. 1990) p. 20.
- "LINC System Development Methodology," *UniReview*, 2,4 (Nov. 1990).
- "Mixed forecast for business graphics," *Computerworld*, 21, 1 (March 16, 1987) p.56.
- "Quality graphics design supports quality decisions" (with G. Dickson), *Computerworld*, 21,1 (March 16, 1987) p.57.
- "Building Effective Management Graphics" (with G. Dickson), *Insight* (March 1986) pp.10-12.
- "Microcomputer Use of Mainframe Databases," *Journal of Systems Management* (Jan. 1986) pp.18-22.
- "Nine Trends in Business Graphics" (with Dickson and Vogel), *Datamation*, Nov.15, 1984 pp.119-122.
- "Business Graphics for Managers," *Computerworld*, 17, 30, July 15, 1983, p.31.
- "Are Students Being Trained as the Blacksmiths of the 1990's," *Business Forum*, 8, 4, Fall, 1983, pp.28-29.
- "Product Review: PL/1-80," *Byte*, Jan. 1982.
- "Product Review: Reformatter," *Byte*, April 1981.
- "Computer-aided Derailleur Calculations," *Byte*, March 1980.
- "A Financial Analysis Package for Small Computers," *Byte*, March 1980.
- "SABR: A Statistical Package for Small Computers," *Interface Age*, May 1979.
- "BAUDOT to ASCII the hard way," *Kilobaud*, May 1978 (with Ray Graham).
- "A Small Computer Accounting System," *Byte*, May 1976 (reprinted in *The Best of Byte and The Scelbi/Byte Primer*).
- "Computer Languages Simplified," 73, May 1976 (reprinted in *Hobby Computers are Here*, 73 Co. 1977).

Books of Readings

- *Introduction to Eastern Philosophy; Readings in Indian Philosophy and Religion*
- *Readings in Far Eastern Ethics*

Sponsored research reports

- Report on a trial grant to develop a solution to the Missing Character Problem (with CC Hsieh, Christian Wittern, Derming Chuang), Republic of China (Taiwan) Ministry of Education, November, 2000.

Published Cases

- "Methocel Product Division at the Dow Chemical Company" (with Prof. L. T. Hosmer) in L. T. Hosmer, *Strategic Management: Text and Cases*.
- "Central State University Registration System parts 1-5," University of Alaska Fairbanks, 1989 (published in *Instructor's Manual for Program Design in the 4th Generation with DBASE III+ and DBASE IV*, John Wiley and Sons, New York, 1990).

- "Northstar Aviation parts 1-6," AACSB MIS Faculty Development Institute, 1987 (published in Instructor's Manual for *Program Design in the 4th Generation with DBASE III+ and DBASE IV*, John Wiley and Sons, New York, 1990).

PROFESSIONAL PROGRAM PRESENTATIONS (July 1989 thru current).

- "Neo-Confucian vs. Communist influences on Chinese views of intellectual property." 2006 joint PRDLA and PNC Conference held in Seoul, Korea August 22-25, 2006
- "Intellectual Property Rights and Chinese Tradition" 2005 joint PRDLA and PNC Conference held at the University of Hawaii, November 2005
- "[A social construction of technology \(SCOT\) model of the failure of web-based distance delivery programs in traditional universities](#)" 2004 joint PRDLA and PNC Conference held at Taipei, Taiwan October 19-21, 2004.
- "[Content Management-Open Source Solutions](#)" PNC 2003 Annual Conference and Joint Meeting, November 7~9 in Bangkok, Thailand.
- October 29, 2002 "[Chinese philosophy and leadership](#)" for UAF Graduate School program on leadership. [audio \(27MB!\)](#)
- September 20-22, 2002, 2002 PNC Conference held at Osaka, Japan ([powerpoint slides](#)).
- March 14-19, 2002 International Applied Business Research Conference, Puerto Vallarta Mexico.
- December 2-4, 2001 2001 PNC Interim Conference, Guadalajara, Mexico.
- January 13-20, 2001 PNC Annual Conference Joint Meeting, City University of Hong Kong.
- June 29-July 1, 2000, 3rd International Conference on Sinology, Academia Sinica, Taipei.
- May 8-9, 2000, "A New Millennium for Resources Sharing" Seminar, Academia Sinica, Taiwan.
- March 13 - 17, 2000, The International Applied Business Research Conference Puerto Vallarta, Mexico([powerpoint slides](#))
- March 11, 2000, Digital Archive Standards, Colegio de Mexico, Mexico City
- January 2000, 2000 Annual Meeting of the Pacific Neighborhood Consortium, UC Berkeley.
- January 1999 1999 Annual Meeting of the Pacific Neighborhood Consortium, Academia Sinica, Taipei, Taiwan.
- June 1998, Electronic Cultural Atlas Project, Heidelberg, Germany
- June 1998, International Association of Asian Scholars, Leiden, Netherlands
- June 1998, HiSources 1998, Russian Academy of Sciences, 2nd International Conference "Historical Sources of Eurasian and North African Civilizations: Computer Approaches, " Moscow
- May 15 -18, 1998 Annual Meeting of PNC, Taipei, Taiwan
- 7-12 July 1997, 35th ICANAS International Congress of Asian and North-African Studies, Budapest, Hungary

- March 1997, Association of Asian Scholars, Chicago, IL
- February 1997 Pacific Neighborhood Consortium Special Meeting, Academic Sinica, Taipei .
- February 1997, 10th ISO Working Group on Chinese-Japanese-Korean Language Document Processing, Taipei.
- October 1996, Webnet, San Francisco.
- September 1996, 9th ISO Working Group on Chinese-Japanese-Korean Language Document Processing, Sydney.
- July, 1996, 4rd Annual International Conference on Business Environment and Strategy, Anchorage
- May, 1996, INFORMS, Washington DC.
- April 1996, 3rd annual EBTI Conference, Taipei, Taiwan.
- September 1995, 8th ISO Working Group on Chinese-Japanese-Korean Language Document Processing, Fairbanks.
- August 1995, 3rd Annual International Conference on Business Environment and Strategy, Hong Kong.
- March 1995, 7th ISO Working Group on Chinese-Japanese-Korean Language Document Processing, Hanazawa, Japan.
- January 1995, 3rd annual Pacific Neighborhood Consortium Meeting, Bangkok, Thailand ([powerpoint slides](#)).
- October 1994, 2nd annual EBTI Conference, Dongguk University. Seoul, Korea.
- September 1994, Arctic Science Conference, Vladivostok, Russia.
- August 1994, 2nd Annual International Global Conference on Business Environment and Strategy, Sun Valley, Idaho.
- April 1994, 5th ISO Working Group on Chinese-Japanese-Korean Language Document Processing, Taipei, Taiwan.
- April 1994, World Font Association, Taipei, Taiwan.
- April 1993, Western Decision Sciences, San Diego.
- March 1993, 1st International Conference on Global Business Environment and Strategy, Tainan, Taiwan.
- July 1992, International ORSA, Helsinki, Finland.
- April 1992, AACSB Annual Meeting (Washington), panel on Russia and East Europe.
- August 1989, Beijing International Symposium for Young Computer Professionals, Beijing, China,
- July 1989, International ORSA/TIMS, Osaka, Japan,

Grants

2000

- Proposal to the Republic of China (Taiwan) Ministry of Education for a trial grant to develop a solution to the Missing Character Problem (with CC Hsieh, Christian Wittern, Derming Chuang). Awarded June, 2000.

1994

- Proposal to the National Telecommunications and Information Administration (NTIA) of the US Department of Commerce for a joint project between the University of Alaska Computer Network, public education, public broadcasting, and the State of Alaska. \$612,000 was awarded.

1991

- Proposal for two year extension of pilot grant in support of an affiliation between: The University of Alaska, Fairbanks School of Management and Xinjiang College of Finance and Economics Urumqi, Xinjiang Province, People's Republic of China in the area of Business Management and Foreign Investment awarded by United States Information Agency Bureau of Educational and Cultural Affairs University Affiliations Program.

1990

- Proposal to US Department of Education for \$300,000 grant for International Business Education Center (co-author).
- Proposal to IBM Corporation for research grant to support acquisition of mainframe computer (\$30,000 value) awarded June 1990.

1989

- Proposal for a \$60,000 three year grant in support of an affiliation between: The University of Alaska, Fairbanks School of Management and Xinjiang College of Finance and Economics Urumqi, Xinjiang Province, People's Republic of China in the area of Business Management and Foreign Investment awarded by United States Information Agency Bureau of Educational and Cultural Affairs University Affiliations Program: Fiscal Year 1989 on a one year pilot basis.
- Proposal to UNISYS Corporation for donation of a \$50,000-value UNIX minicomputer and associated software; awarded July 1989. Proposal to IBM Corporation for long-term loan of UNIX minicomputer and workstations (total value \$100,000) awarded Fall, 1989.