

RESUME

Personal Data

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University of Florida
Gainesville, FL 32611-6125, USA
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Telephone: (352) 352-2689
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Date of Birth: November 3, 1949
Citizenship: United States
Place of Birth: Hong Kong
Marital Status: Married

Educational Background

Georgia Institute of Technology (Georgia Tech)
1972 - B.S. Electrical Engineering, graduated with distinction.

University of Florida
1974 - M.E. Electrical Engineering
Major area of study - Computer Engineering

University of Florida
1979 - Ph.D. Electrical Engineering
Major area of study - Computer Engineering, Database Management

Employment History

CIR - Center for Informatic Research, Research Assistant. Duration: January 1973 to September 1973. Areas of experience: digital picture processing, pattern recognition, hardware maintenance.

IRC - Inter-institutional Research Council (IRC), Research Assistant. Duration: January 1974 to June 1979. Areas of experience: data processing and database management for community colleges, systems development, and consultant to IRC projects.

Department of Computer and Information Science, University of Florida, Adjunct Assistant Professor. Duration: June 1979 to September 1980. Duties include being on the research staff of the Database Systems Research and Development Center, teaching courses in database management and programming languages.

Department of Electrical Engineering, University of Florida,
Assistant Professor. Duration: September 1980 to September 1985.
Associate Professor. Duration: September 1985 to present.
Duties include being on the research staff of the Database Systems Research and Development Center, teaching courses in database management, digital design, and microprocessors.

Areas of interests: Internet-based Information systems, Web-services, Grid services, database management, distributed object technology, extensible

DBMS, rule processing in DBMS (KBMS), software systems inter-operability, computer architecture for non-numerical processing, computer aided digital hardware design, microprocessor-based design.

Publications - Book

Lam, H. and O'Malley, John R., Fundamentals of Computer Engineering - Logic Design and Microprocessors, John Wiley & Son, New York, N.Y., 1988, 490 pages.

Publications - Refereed Conference Publications

Su, S. Y. W., Liang, Q., Chakarapani, L.N, Chikkamagalur, R.N., and Lam, H, "A Web Service Composition Framework: Discovery, Description, and Invocation", The Sixth International Conference on Electronic Commerce Research (ICECR-6), October, 2003.

Yang, Seokwon, Su, Stanley Y. W., and Lam, Herman, "A Non-repudiation Message Protocol for E-commerce," Proceedings of the IEEE International Conference on Electronic Commerce, Newport Beach, CA., June 24-27, 2003, pp. 320 - 327.

Nagarajan, Karthik, Lam, Herman, Su, Stanley Y.W., "Integration of Business Event and Rule Management with the Web Services Model", Proceedings of the First International Conference on Web Services (ICWS'03), June 23-26, 2003, Las Vegas, Nevada.

Liu, Youzhong, Shi, Yuan, Lam, Herman, Su, Stanley Y. W., Pillalamarri, Kaushik and Islamraja, Mazhar, "A Rule Warehouse System for Knowledge Sharing and Business Collaboration," in Proceedings of the IASTED International Conference on Information and Knowledge Sharing, November 18-20, 2002, St. Thomas, USA, pp. 142-151.

Yang, S., Su, S.Y.W., and Lam, H., "A Trust-Based Security Architecture and Model for Enabling Collaborative E-Business", Proceedings of The 5th International Conference on Electronic Commerce Research, Montreal, Canada, Oct 23-27, 2002.

Yang, S., Lam, H., and Su, S.Y.W., "Trust-based Security Model and Enforcement Mechanism for Web Service Technology", The 3rd VLDB Workshop on Technologies for E-Services (TES'02), Hong Kong, Aug. 23-24, 2002, pp151-160.

Meng, Jie, Su, S. Y. W., Lam, H., and Helal, A, "Achieving Dynamic Inter-organizational Workflow Management by Integrating Business Processes, Events, and Rules", accepted for the Hawaii International Conference on System Sciences (HICSS-35), Big Island, Hawaii, January 7-10, 2002.

Lee, M., Su, S.Y.W., and Lam, H., "Event and Rule Services for Achieving a Web-based Knowledge Network," Proceedings of the 2001 International Conference on Web Intelligence (WI-2001), Maebashi City, Japan, Oct. 23-26, 2001, pp. 205-216.

Su, S. Y. W., Lam, H., Lee, M. S., Bai, S, and Shen, M., "An Information Infrastructure and E-services for Supporting Internet-based Scalable E-business Enterprises", the Proceeding of the Enterprise Distributed Object Computing Conference (EDOC 2001), Seattle, Washington, Sept. 4-7. pp. 2-13.

Su, S. Y. W., Liu, Y. Z., Meng, J., Lee, M. S., Lam, H., "Distributed and Concurrent Processing of Business Object Documents in Support of e-Enterprise Integration," the 4th International Enterprise Distributed Object Computing Conference (EDOC 2000), Makuhari, Japan, September 25-28, 2000, pp. 107-111.

Su, S. Y. W. and Lam, H., "IKnet: Scalable Infrastructure for Achieving Internet-based Knowledge Network," Proceedings of International Conference on Advances in Infrastructure for Electronic Business, Science, and Education on the Internet, l'Aquila, Rome, Italy, July 31-Aug. 6, 2000. pp. 80. (full length paper in CD).

Lee, Minsoo, Su, S.Y.W., and Lam, H., "Parallel Rule Processing in a Distributed Object Environment," Proceedings of the 1999 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA '99), Las Vegas, NV, June 28-July 1, 1999, pp. 410-416.

Barry, J., H. Lam, et. al., "NIIP-SMART: An Investigation of Distributed Object Approaches to Support MES Development and Deployment in a Virtual Enterprise", Proc. of the 2nd International Enterprise Distributed Object Computing Workshop (EDOC '98), November 2-5, 1998, La Jolla, San Diego, CA.

Lam, H. and Su, S.Y.W., "Component Interoperability in a Virtual Enterprise Using Events/Triggers/Rules", Proc. of OOPSLA '98 Workshop on Objects, Components, and Virtual Enterprise, October 18-22, 1998, Vancouver, BC, Canada, pp. 47-53.

Gilman, C.R., Lam, H., et. al., "Integration of Design and Manufacturing in a Virtual Enterprise Using Enterprise Rules, Intelligent Agents, STEP, and Workflow", Proc. Of SPIES International Symposium on Intelligent Systems and Advance Manufacturing, Pittsburgh, PA, pp. 172-184, October 13-17, 1997.

Su, S. Y. W., Lam, H., et. al., "An Extensible Knowledge Base Management System for Supporting Rule-based Interoperability among Heterogeneous Systems," Keynote Paper, Conference on Information and Knowledge Management, Baltimore, MD., Nov. 28 -Dec. 2, 1995., pp. 1-10.

Su, S.Y.W., Lam, H., et. al., "On Bridging and Extending OMG/IDL and STEP/EXPRESS for Achieving Information Sharing and System Interoperability", Proc. of EXPRESS Users' Group (EUG '95), Grenoble, France, Oct. 21-22, 1995.

Missikoff, M. and Lam, H., "On Semantic Verification of Object-Oriented Database Schemas", Proc. of the Int'l Workshop on Next Generation Information Technologies and Systems (NGITS '93), Haifa, Israel, June 28-30, 1993.

Su, S.Y.W., Lam, H., et. al., "OSAM*.KBMS: An Object-oriented Knowledge Base Management System for Supporting Advanced Applications", Proc. of ACM SIGMOD 1993, Washington, D.C., May 25-28, 1993, pp. 540-541.

Su, S.Y.W. and Lam, H., "An Object-Oriented Knowledge Base Management System for Supporting Advanced Applications", Proc. of the 4th. Int'l Hong Kong Computer Society Database Workshop, Dec. 12-13, 1992, pp. 3-21.

Sharma, M., Prasad, N., Ruhela, V., Lam, H., Su, S.Y.W., "X/Motif based GUI Toolset for an

Object-oriented KBMS", Proc. of the International Workshop on Interfaces to Database Systems (IDS 92), Glasgow, Scotland, July 1-3, 1992.

Su, S.Y.W., Lam, H., et. al., "An Integrated Object-oriented Knowledge Base Management System OSAM*.KBMS/ROSE for Supporting Design and Manufacturing", Proc. of the IEEE Second International Conf. on Systems Integration, Morristown, N.J., June 15-18, 1992, pp. 152-161.

Alashqur, A.M., Su, S.Y.W., and Lam, H., "Constraint Specification on Object-Oriented Databases", Proc. of the IEEE 4th. Int'l Conf. on Computer Languages, Oakland, California, 1992, pp. 300-309.

Lee, C., Lam, H., and Su, S.Y.W., "A Database Computer Architectures Performance Evaluation System (DACPES)", Proc. of 11th. Annual IEEE International Conference on Computers and Communications, Phoenix, AZ, April, 1992.

Zhang, X., Schueller, J.K., and Lam, H., "Object-oriented Knowledgebase Application to Hydraulic Design", Proc. Of 1991 Off-Highway & Powerplant Congress and Expo, SP-882, Milwaukee, Wisconsin, September 9-12, 1991.

Yaseen, R., Su, S.Y.W., and Lam, H., "An Extensible Kernel Object Management System", Proc. of the Conference on Object-Oriented Programming Systems Languages, and Applications (OOPSLA '91), Phoenix, AZ., Oct. 6-11, 1991, pp. 247-263.

Su, S.Y.W., Chen, Y.H., and Lam, H., "Multiple Wavefront Algorithms for Pattern-based Processing of Object-oriented Databases", Proc. First Inter. Conf. on Parallel and Distributed Information Systems (PDIS), Miami Beach, FL, Dec. 1991, pp. 46-55.

Guo, M.S., Su, S.Y.W., and Lam, H., "An Association Algebra for Processing Object-oriented Databases", Proc. of the Seventh International IEEE Conference on Data Engineering, Kobe, Japan, April, 1991, pp.23-32.

Su, S.Y.W., Raschid, L., and Lam, H., "Knowledge Base Techniques for Computer Integrated Engineering and Manufacturing", Proc. of 17th. Annual Conference on Design and Manufacturing Systems Research, Univ. of Texas, Austin, TX, Jan. 9-11, 1991, pp. 593-600.

Su, S.Y.W., Puranik, S.G. and Lam, H., "Heuristic Algorithms for Path Determination in a Semantic Network", Proc. of the 14th. Annual International Computer Software & Applications Conference (COMPSAC '90), Chicago, Illinois, Oct. 31- Nov. 2, 1990, pp. 587-592.

Lam, H., et. al., "A Graphical Interface for an Object-oriented Query Language", Proc. of the 14th. Annual International Computer Software & Applications Conference (COMPSAC '90), Chicago, Illinois, Oct. 31 - Nov. 2, 1990, pp. 231-237.

Navathe, S.B., Geum, S., Desai, D.K., and Lam, H., "Conceptual Design for Non-database Experts with an Interactive Schema Tailoring Tool", Proc. of 9th. International Conference on Entity-Relationship Approach, Lausanne, Switzerland, October 8-10, 1990.

Thakore, A.K., Su, S.Y.W., Lam, H., and Shea, D.G., "Asynchronous Parallel Processing of

Object Bases Using Multiple Wavefronts", Proc. of 19th International Conf. on Parallel Processing, St. Charles, Illinois, Aug. 13-17, 1990, pp. 127-135.

Alashqur, A.M., Su, S.Y.W., and Lam, H., "A Rule-base Language for Deductive Object-oriented Databases", Proc. of Sixth International Conference on Data Engineering, Los Angeles, CA, Feb. 5-9, 1990, pp. 58-67.

Su, S.Y.W. and Lam, H., "Object-oriented Knowledge Base Management Technology for Improving Productivity and Competitiveness in Manufacturing", Proc. of 16th. Conference on Design and Manufacturing Systems Research, Arizona State University, Jan. 8-12, 1990, pp. 161-167.

Kuldarni, R.S., Schueller, J.K., Navathe, S.B., Lam, H., "Computer Integrated Design of Hydraulic Systems", Proc. of Productivity in Computer Integrated Engineering and Manufacturing Conference (PROCIEM), Orlando, Fl., Nov., 1989, pp. 155-160.

Lam, H. et. al., "Prototype Implementation of an Object-oriented Knowledge Base Management System", Proc. of Productivity in Computer Integrated Engineering and Manufacturing Conference (PROCIEM), Orlando, Fl., Nov., 1989, pp. 68-70.

Lam, H., Su, S.Y.W., and Alashqur, A.M., "Integrating the Concepts and Techniques of Semantic Modeling and the Object-oriented Paradigm", Proc. of the 13th. International Computer Software and Applications Conference (COMPSAC 89), Sept. 18-22, 1989, Orlando, Florida, 1989, pp.209-217.

Lam, H., Lee, C., and Su, S.Y.W., "An Object Flow Computer for Database Applications", Proc. of the Sixth International Workshop on Database Machines, Deauville, France, June 19-21, 1989, pp. 1-17.

Alashqur, A.M., Su, S.Y.W., and Lam, H., "OQL - A Query Language for Manipulating Object-oriented Databases", Proc. of the 15th. International Conference on Very Large Databases (VLDB 89), Amsterdam, The Netherlands, Aug. 22-25, 1989, pp. 433-442.

Su, S.Y.W., Lam, H., et. al., "An Object-oriented Computing Environment for Productivity Improvement in Automated Design and Manufacturing", Proc. of Productivity in Computer Integrated Manufacturing Conference (PROCIM), Orlando, Fl., Nov. 14-15, 1988, pp. 68-69.

Krishnamurthy, V., Su, S.Y.W., and Lam, H., "A Distributed Database Architecture for an Integrated Manufacturing Facility", Proc. of the Conference on Data and Knowledge Systems for Engineering and Manufacturing, Oct. 19-20, 1987, Hartford, Conn., pp. 4-13.

Lee, C., Su, S.Y.W., and Lam, H., "Algorithms for Sorting and Sort-based Database Operations by a Special-Function Unit", Proc. of the 5th. International Workshop on Database Machine, Oct. 5-8, 1987, Karuizawa, Japan, pp. 158-171.

Lam, H., Su, S.Y.W., Seeger, C., Lee, C., Eisenstadt, W.R., "A Special Function Unit for Database Operations within a Data-Control Flow System", Proc. of the 16th. Int'l Conf. on Parallel Processing, Aug. 17-21, 1987, St. Charles, Illinois, pp. 330-339.

Bermudez, M.E., Lam, H., et al, "An Object-Oriented Computing Environment for Productivity Improvement in Automated Design and Manufacturing", Proc. of SoutheastCon

'87, April 5-8, 1987, Tampa, FL., pp. 221-227.

Su, S.Y.W., Lam, H., et al, "The Architecture and Prototype Implementation of an Integrated manufacturing Data Administration System", Proc. of IEEE COMCOMP International Conference, March 3-6, 1986, San Francisco, Calif., pp. 137-146.

Lam, H. and Su, S.Y.W., "A Case Study of Database System Conversion", Proc. of the Sixth International Computer Software and Applications Conference, Nov. 8-12, 1982, Chicago, Illinois, pp. 129-138.

Lam, H., et al., "Program Analysis and Conversion Due to DBMS Migration", Proc. of the Fourth International Computer Software and Applications Conference, Oct. 29-30, 1980, Chicago, Illinois, pp. 129-138.

Lam,H. and Su, S.Y.W., "A Semi-automatic Database Translation System", Proc. of the ACM Pacific Regional Conference, San Francisco, 1975, pp. 71-79.

Su, S.Y.W. and Lam, H., "A Semi-automatic Database Translation System for Achieving Data Sharing in a Network Environment", Proc. of the ACM's SIGFIDET Workshop on Data Access, Translation, and Control, 1974, pp. 227-247.

Publications - Book Chapters

Su, Stanley Y. W., Lam, H., Lodha, R., Bai, S., and Shen, Z. J., "Collaboration Technologies for Supporting E-supply Chain Management," a chapter in Applications of Supply Chain Management and E-Commerce Research in Industry, coedited by E. Akcaly, J. Geunes, P.M. Pardalos, H.E. Romeijn, and Z.J. Shen, Kluwer, 2004.

Su, Stanley Y. W., Liu, Y. Z., Meng, J. , Lee, M. S. , Lee G., and Lam, H., "Distributed and Concurrent Processing of Business Object Documents in E-business Scenarios," Chapter in Datenbanken und Informationssysteme, FernUniversitat in Hagen, Germany, W. Benn, P. Dadam, S. Kim, and R. Unland (eds.), 2003, pp. 273-299.

S. Y. W. Su, Y. H. Chen, and H. Lam, "Parallel Multi-Wavefront Algorithms for Pattern-Based Processing of Object-Oriented Databases," Chapter 6 in Emerging Trends in Database and Knowledge-Base Machines, ed. by M. Abdelguerfi and S. Lavington, IEEE Computer Society Press, 1995, pp. 77 - 103.

Su, S.Y.W, Krishnamurthy, V., Lam, H., "An Object-oriented Semantic Association Model (OSAM*) for Modelling CAD/CAM Databases", a chapter in Artificial Intelligence: Manufacturing Theory and Practice, edited by R.L. Kashyap, S. Kumara, and A.L. Soyster, published by the American Institute of Industrial Engineers, 1990, Norcross, GA., pp. 463-493.

Lam, H., Su, S.Y.W., Seeger, C., Lee, C., Eisenstadt, W.R., "A Special Function Unit for Database Operations within a Data-Control Flow System", Parallel Architecture for Database Systems, ed. A.R. Hurson, L.L. Miller, S.H. Pakzad, IEEE Computer Society Press, Washington, D.C., 1989, pp. 397-404.

Su, S.Y.W. and Lam, H., "Conversion of Application Programs to Account for Database

Changes", in Advances in Data Base Management, Heyden & Son, Inc., 1980, Chapter 8, pp.144-171.

Publications - Refereed Journal Publications

Nagarajan, Karthik, Lam, Herman, Su, Stanley Y.W., "Integration of Business Event and Rule Management with the Web Services Model", accepted for publication in the International Journal of Web Services Research (JWSR).

Lee, Minsoo, Su, Stanley Y. W., and Lam, Herman, "Event and Rule Services for Achieving a Web-based Knowledge Network," accepted to Journal of Knowledge Based Systems.

Liu, Youzhong, Yu, Fahong, Su, Stanley Y. W., and Lam, Herman, "A Cost-benefit Evaluation Server for Decision Support in e-Business," Journal of Decision Support Systems and Electronic Commerce," Vol. 36/1, September, 2003, pp 81 -97.

Lee, Minsoo, Su, S.Y.W., and Lam, H., "A Web-based Knowledge Network for Supporting Emerging Internet Applications," WWW Journal, Vol. 4, No. 1/2, 2001, pp. 121-140.

Su, Stanley Y. W., Huang, C., Hammer, J., Huang, Y., Li, H., Wang, L., Liu, Y., Pluempitiwiriwaj, C., Lee, M., and Lam, H., "An Internet-Based Negotiation Server for E-Commerce," The VLDB Journal, Vol. 10, No. 1, Aug. 2001, pp. 72-90.

Su, S.Y.W., Lam, H., et. al., "NCL: A Common Language for Achieving Rule-Based Interoperability among Heterogeneous Systems", Journal of Intelligent Information Systems, Special Issue on Intelligent Integration of Information, Vol. 6, 1996, pp. 171-198.

Shyy, Y.M., Arroyo, J., Su, S.Y.W., and Lam, H., "The Design and Implementation of K: A High-Level Knowledge Base Programming Language of OSAM*.KBMS", Very Large Data Base (VLDB) Journal, Vol. 5, No. 3, 1996, pp. 181-195.

Thakore, A.K., Su, S.Y.W., and Lam, H., "Algorithms for Asynchronous Parallel Processing of Object-Oriented Databases", IEEE Transactions on Knowledge and Data Engineering, Vol. 7, No. 3, June 1995, pp. 487-504.

Su, S.Y.W., Guo, M.S., and Lam, H., "Association Algebra: A Mathematical Foundation of Object-oriented Databases", IEEE Transactions on Knowledge and Data Engineering, Vol. 5, No. 5, Oct. 1993, pp. 775-798.

Su, S.Y.W., Lam, H., et. al., "Database Research at the University of Florida", SIGMOD Record, Vol. 22, No. 3, Sept. 1993, pp. 84-90.

Lee, C., Lam, H., and Su, S.Y.W., "An Object Flow Computer for Database Applications", Journal of Parallel and Distributed Computing, Vol 17, 1993, pp. 298-314.

Goldschmidt, A., Chida, J., Su, S.Y.W., Lam, H., et. al., "Integration of OSAM*.KBMS/ROSE Technologies for CIM, IBM Journal of AIXpert, May 1992, pp. 79-80.

Lam, H., Su, S.Y.W., et. al., "GTOOLS: An Active Graphical User Interface Toolset for an Object-oriented KBMS", International Journal of Computer Science and Engineering, Vol.7

No. 2, April 1992, pp. 69-85.

Lam, H., Lee, C., and Su, S.Y.W., "A Special Function Unit for Database Operations (SFU-DB): Design and Performance Evaluation", IEEE Transactions on Computers, Vol. 40, No. 3, March 1991, pp. 263-275.

Krishnamurthy, V., Su, S.Y.W., and Lam, H., "IMDAS - An Integrated Manufacturing Data Administration System", Data and Knowledge Engineering Journal, Vol. 3, 1988, pp.109-131.

Lam, H., Su, S.Y.W., and Koganti, N., "A Physical Database Evaluation System for CODASYL Databases", IEEE Transactions on Software Engineering, Vol. 14, No. 17, July 1988, pp. 1010-1022.

Raschid, L., Fei, T., Lam, H., and Su, S.Y.W., "A Special Function Unit for Sorting and Sort-based Database Operations", IEEE Transactions on Computers, Vol. C-35, No. 12, December 1986, pp. 1071-1077.

Su, S.Y.W., Lam, H., and Lo, D.H., "Transformation of Data Traversals and Operations in Application Programs to Account for Semantic Changes of Databases", ACM Transactions on Database Systems, Vol. 6, No. 2, 1981, pp. 255-294.

Awards

Tau Beta Pi, 1986-87 undergraduate teaching award, College of Engineering, University of Florida.

Department of Electrical Engineering, University of Florida, award for outstanding supervisor of an EE core laboratory, 1988-1989.

Department of Electrical Engineering, University of Florida, award for outstanding supervisor of an EE core laboratory, 1989-1990.

Department of Electrical Engineering, University of Florida, award for co-chairman of Best Ph.D. dissertation, 1990.

Department of Electrical Engineering, University of Florida, award for outstanding supervisor of an EE core laboratory, 1990-1991.

Outstanding Paper Award (Co-author), Seventh International IEEE Conference on Data Engineering, Kobe, Japan, April, 1991.

Department of Electrical Engineering, University of Florida, award for supervisor of the Outstanding Senior Design Project, 1991-92.

College of Engineering, University of Florida, undergraduate teaching award, 1991-1992.

University of Florida, Teaching Improvement Program (TIP) Award, December 1993.

Professional Activities

Reviewer for journals:

IEEE Transactions on Software Engineering.
International Journal of Computer and Information Science.
IEEE Transactions on Computers.
ACM Computing Surveys.
Data and Knowledge Engineering Journal.
IEEE Transactions on Knowledge and Data Engineering.
IEEE MICRO
Journal of Computer Systems Science and Engineering.
IEEE Internet Computing.

Reviewer, 7th. International Conference on Very Large Data Bases, 1981.
Exhibits Chairman, ACM-SIGMOD Intern. Conf. on Management of Data, 1982.
Reviewer, ACM-SIGMOD Intern. Conf. on Management of Data, 1985.
Program committee, Fifth International Conference on Data Engineering, 1988.
Session chair, IEEE's 12th Computer Software & Applications Conf., 1988.
Reviewer, 16th. Intern. Conf. on Parallel Processing, 1988.

Invited lectures at universities in China, 1988:

Zhoug-Shao Univ. and Univ. of Science & Engr. in Guang-Zhou
Xi'an Jiaotong Univ. in Xi'an
Qing-Hua Univ. in Beijing

Program committee, 13th. International Computer Software and Applications Conference (COMPSAC 89), 1989.

Session chair, 13th. International Computer Software and Applications Conference (COMPSAC 89), 1989.

Co-chair for Database Track, 14th. International Computer Software and Applications Conference (COMPSAC '90), 1989.

Reviewer, 18th. Intern. Conf. on Parallel Processing, 1990.
Program committee, 9th. International Conference on Data Engineering, 1992.
Program committee, International Computer Science Conference '92 (ICSC '92), 1992.

Sabbatical visit to IASI (Istituto Di Analisi Dei Sistemi Ed Informatica), Rome, Italy, September 1992 through January 1993.

Sabbatical visit to GMD University, Darmstadt, Germany, February 1993 through June 1993.

Proposal Reviewer, Dept. Of Defense EPSCoR Program, Louisiana State Board of Regents, 1996.

Proposal Reviewer, Sino Software Research Centre, Univ. Of Science and Technology, Hong Kong, 1996, 1997.

Program committee, The Twelfth International Conference on Information and Knowledge Management CIKM 2003.

Program committee, IEEE Conference on E-Commerce Technology (CEC'04), San Diego, California, USA , July 6-9, 2004.

Program committee, The Fifth International Conference on Web Information Systems (WISE 2004) , Brisbane, Australia, November 2004.

Editorial Board Member of the International Journal of Business Process Integration and Management (IJBPIIM) 2003 - .

Grants and Research Support

"Research on Advanced Technologies to Support Internet-based Scalable E-business Enterprises (ISEE)", NSF, \$100,000, Sept. 1, 2000 – Aug. 31, 2001, S. Y. W. Su, PI, H. Lam, Co-PI, and Sherman Bai, Co-PI.

"Extended Enterprise Coalition for Integrated Collaborative Manufacturing Systems (EECOMS)", NIST, \$895,000, Oct. 1997 – June 2001, S. Y. W. Su, PI, H. Lam, Co-PI, and J. Hammer, Co-PI.

"Establishment of a Sloan Center for Information-Technology-Enhanced Learning", a proposal to the Alfred P. Sloan Foundation, \$135,000, H. Latchman (PI), H. Lam, Investigator.

National Institute of Standards and Technology (NIST)
"Solution for MES-Adaptable Replicable Technology (SMART)"
Co-principal Investigator, \$600,800, June 1996 - May 2000.

National Institute of Standards and Technology (NIST)- funded through IBM: "Consortium for Integrated Intelligent Manufacturing Planning and Execution (CIIMPLEX)"
Co-principal Investigator, \$582,800, March 1996 - June 30, 1999.

IBM/ARPA: "National Industrial Information Infrastructure Protocols (NIIP)"
Co-principal Investigator, \$1.4 million for 3 years, April 1, 1994 - August 31, 1997.

Enterprise Florida Innovation Partnership, Inc.
"Commercialization of a Schema Translation and Integration System ORECOM"
Co-principal Investigator, \$45,000, 2/94-1/95.

IBM: "Integration of OSAM*.KBMS and ORECOM Technologies with CDF/MVS"
Co-principal Investigator, \$150,000, 3/93 - 3/94

State of Florida High Technology and Industrial Council
"An Object-oriented Rule-based Approach to Product Data Exchange and Specification", Co-principal Investigator, \$49,983, 1/93 - 7/94.

IBM: "Integration of OSAM*.KBMS and ROSE Technologies",
Co-principal Investigator, \$90,000, 12/1/90 - 12/31/91.
Co-principal Investigator, \$90,000, 3/2/92 - 3/1/1993.

State of Florida High Technology and Industrial Council

"An Object-oriented Rule-based Approach to Product Data Exchange and Specification", Co-principal Investigator, \$78,000, 12/27/90 - 12/26/92.

National Science Foundation

"An Object Flow Computer for Object-oriented Database Applications", Co-principal Investigator, \$163,000, 7/1/89 - 6/30/92.

National Institute of Standards and Technologies

"Semantic Models and Their Transformations", Co-principal Investigator, \$75,000, 9/1/89 - 8/31/91.

National Science Foundation

"A Special Function Unit for Sorting and Sort-based Database Operations"
Co-principal Investigator, \$131,000, September 1984 - February 1987.