Curriculum Vitae

SERGIO DAVALOS
University of Washington, Tacoma
Milgard School of Business
1900 Commerce Street Box 358420
Tacoma, WA 98402-3100
253.692.4658   sergiod@uw.edu

EDUCATION

1992	Ph.D. in Business Administration University of Arizona Major Field: Management Information Systems Supporting Field: Cognitive Psychology
1975	Master of Science in Computer Science University of Arizona Major Field: Computer Science Supporting Field: Management Information Systems

DISSERTATION

Understanding Support Systems: Development of an object-oriented, cognitive-based knowledge base architecture to provide organizing framework or sense making of information.

ACADEMIC POSITIONS (full-time)

2008 – present	Associate Professor Business Administration Program – Information Systems University of Washington, Tacoma, Washington
2002 – 2008	Assistant Professor Business Administration Program – Information Systems University of Washington, Tacoma, Washington
2001 – 2002	Visiting Professor School of Business Administration - ISQA Portland State University, Portland, Oregon
1999 – 2001	Associate Professor Department of Computer Science University of the Virgin Islands, St. Thomas, USVI
1998 – 1999	Visiting Professor School of Business Administration - ISQA Portland State University, Portland, Oregon

Curriculum Vitae

1992 – 1998	Assistant Professor	
	School of Business Administration - IS	
	University of Portland, Portland, Oregon	

1992 – 1998   Assistant Professor
School of Business Administration - IS
University of Portland, Portland, Oregon

1991 – 1992   Assistant Professor - ABD
School of Business Administration - IS
University of Portland, Portland, Oregon

1979 – 1991   Faculty
Department of Computer Science
Pima Community College, Tucson, Arizona

PROFESSIONAL EXPERIENCE

1988 – 1989   Computer Science Lab Coordinator
Department of Computer Science
Pima Community College, Tucson, Arizona

1985 – 1988   Computer Science Lab Coordinator
Department of Computer Science
Pima Community College, Tucson, Arizona

1984 – 1985   Title III Activity One Director
Pima Community College, Tucson, Arizona

1975 – 1979   Systems Programming Manager
Diversified Data Systems
Tucson, Arizona

PEER REVIEWED SCHOLARSHIP

JOURNALS

SOCIAL MEDIA RELATED

SERGIO DAVALOS, Altaf Merchant, Brent Lessley, Greg Rose, and Ankur Teredesai. 'The Good Old Days': An Examination of Nostalgia in User Generated Content (Facebook). International Journal of Human Computer Studies. Published Summer 2015. Impact factor -1.293, five year – 1.83.

G. Farnadi, G. Sitaraman, S. Sushmita, F. Celli, M. Kosinski, D. Stillwell, SERGIO DAVALOS, M. Moens, M. De Cock. Computational Personality Recognition in Social Media. The Journal of Personalization Research (UMUAI) Invited Paper). Pp 1-34. February 2016. Impact factor 3.037.

S Davalos, A Merchant, G Rose. Using Big Data to Study Psychological Constructs: Nostalgia on Facebook. Journal of Psychology & Psychotherapy 2015

G. Farnadi, G. Sitaraman, S. Sushmita, F. Celli, M. Kosinski, D. Stillwell, SERGIO DAVALOS, M. Moens, M. De Cock. Computational Personality Recognition in Social Media. The Journal of Personalization Research (UMUAI) Invited Paper (Abstract accepted for publication December 2014).

BANKRUPTCY AND AAER RELATED

DAVALOS, S, Leng, F., Feroz, E., , Cao, Z. Designing an if-then Rules Based Ensemble of Heterogeneous Bankruptcy Classifiers: A Genetic Algorithm Approach. Intelligent Systems in Accounting, Finance and Management. (accepted for publication April 2014).

Cao, Z., Leng, F., Feroz, E., DAVALOS, S. Corporate Governance and Default Risk of Firms Cited in the SEC's Accounting and Auditing Enforcement Releases. Review of Quantitative Finance and Accounting (accepted for publication Summer 2013).

Leng, F., Feroz, E., DAVALOS, S, Cao, Z. The Long-Term Performance and Failure Risk of Firms Cited in the SEC's Accounting and Auditing Enforcement Releases. Journal of Business Finance and Accounting. July 2011.

Gritta, R., SERGIO DAVALOS. (2010). A neural network approach to forecasting large and. medium regional U.S. air carrier financial stress and bankruptcy. Journal of NeuroPsychoEconomics. Association for NeuroPsychoEconomics. Washington, DC.

Bankruptcy classification of firms investigated by the US Securities and Exchange Commission: an evolutionary adaptive ensemble model approach. SERGIO DAVALOS, Fei Leng, Ehsan Feroz, Zhiyan, Cao. International Journal of Applied Decision Sciences, November 2009.

Genetic Algorithm in Deriving Rules for Forecasting Air Carrier Financial Stress and Insolvency. SERGIO DAVALOS, Richard D. Gritta, & Bahram Adrangi. Journal of the Transportation Research Forum. 2007 (Summer 2007)

A Review of Air Carrier Bankruptcy Forecasting Methodologies and Directions for Future Research Richard D. Gritta, Ph.D., Bahram Adrangi, Ph.D., Sergio Davalos, Ph.D. & Don Bright. The Credit and Financial Management Review. 3rd Quarter Vol 12 (3), June 2006

The Use of a Genetic Algorithm in Forecasting Air Carrier Financial Stress and Insolvency. SERGIO DAVALOS, Richard D. Gritta, Bahram Adrangi, Jason Goodfriend. The Credit and Financial Management Review. Second Quarter Vol 11 (2), June 2005

Assessing the Financial Condition of the Major U.S. Passenger Airlines Over the 1993-2003 Using the P-Score and Z" Score Discriminant Models, Jason Goodfriend, Richard D. Gritta, Bahram Adrangi, SERGIO DAVALOS. The Credit and Financial Management Review. Fourth Quarter 2004 10 (4), pp. 41-52

Gauging the Financial Condition of the Major U.S. Air Carriers. R. Gritta, G. Chow, SERGIO DAVALOS, Journal of Transportation Law, Logistic, and Policy, Vol. 71. No. 1, Fall 2003. pp. 116-122.

An Assessment of the Financial Condition of Large Regional U.S. Air Carriers Prior to September 11, 2001: A Back-Propagation Neural Network Approach to Forecasting Financial Stress, R. Gritta, G. Chow, SERGIO DAVALOS, The Credit and Financial Management Review. NACM. 2nd Qtr 2003 9(2) pp. 27-36.

Small U.S. Air Carrier Financial Condition: A Back-Propagation Neural Network Approach to Forecasting Bankruptcy and Financial Stress (2001) Rich Gritta (University of Portland), Garland Chow (UBC), Marcus Wang and SERGIO DAVALOS. Journal of the Transportation Research Forum. (Vol. 56. No. 2, Spring 2002). pp. 109-122.

Forecasting Small Air Carrier Bankruptcies Using a Neural Network Approach: A Preliminary Analysis Approach. R. Gritta, SERGIO DAVALOS, and G. Chow. Journal of Financial Management and Analysis . (January-June, 2000, Vol. 13 No. 1). pp.44-49

Air Carrier Financial Fitness: An Assessment Over the 1966-1996 Period. R. Gritta, SERGIO DAVALOS, and G. Chow, Journal of the Transportation Research Forum, Vol. 39, No. 2, Spring 2000. pp. 171 - 181.

The Application of A Neural Network Approach to Predicting Bankruptcy Risks Facing the Major U.S. Air Carriers: 1979 -1996. R. Gritta, SERGIO DAVALOS, and G. Chow – Journal of Air Transport Management. (Vol. 5, 1999). pp. 81 - 86

APPLICATIONS OF AI IN COMPUTER SCIENCE

Software Testing Cost Reduction With Genetic Algorithms and Neural Networks. A. Watkins, SERGIO DAVALOS. International Journal of Engineering Research & Technology (IJERT). (2014) March 2014.

AGENT-BASED MODELING

Multi-agent simulation study to identify and assess factors contributing to individual entrepreneurial development, A. Watkins, SERGIO DAVALOS. Journal of Nature Inspired Business Applications. (2013) Spring 2013.

WEB SERVICES

Legacy to Web Migration: Service-Oriented Software Reengineering (SOSR) Methodology, (2008) Sam Chung, SERGIO DAVALOS, Joseph Byung Chul An, Katsumi Iwahara, Special Issue Invitation - International Journal of Service Sciences (Invited paper) December 2008.

Curriculum Vitae

Toward Next Generation Distributed Business Information Systems: Five Inherent
Capabilities of Service-Oriented Computing. Sam Chung and SERGIO DAVALOS (2006).
IPSI BgD Transactions on Internet Research. V. 2. No. 1. New York, Frankfurt, Tokyo,
Belgrade: IPSI BgD Internet Research Society. pp. 9 – 15. (ISSN 1820-4503, 7 pages)

Extending a UDDI Registry with Recursive Service-Oriented Architecture: A Service-
Oriented UDDI Registry. Sam Chung, SERGIO DAVALOS, and Amandeep Saini, GESTS
International Transactions on Computer Science and Engineering. 2005. Vol. 21. No. 1. pp.
125 – 146. America, Canada, China, and Korea: GESTS Publishing Team (Invited, Selected
as the best of paper this month) (ISBN 89-953729-5-8, 22 pages)

UNDERSTANDING SUPPORT SYSTEMS

Hypertext Functionality for Understanding Support. SERGIO DAVALOS Journal of
Multimedia and Hypermedia [97].

BOOK CHAPTERS

S. Davalos, A. Merchant, G. Rose.. 'Remember When?': Analyzing Nostalgic and General
Facebook Posts Celebrating America's Pastimes: Baseball, Hot Dogs, Apple Pie and
Marketing? Part of the series Developments in Marketing Science: Proceedings of the
Academy of Marketing Science pp 753-753, March 2016

PEER REVIEWED CONFERENCE PROCEEDINGS & ABSTRACTS

SOCIAL MEDIA RELATED

J. Marquardt, G. Farnadi, G. Vasudevan, M.-F. Moens, SERGIO DAVALOS, A.
Teredesai, M. De Cock.   Age and Gender Identification in Social Media CLEF 2014
Working Notes proceedings (5th Conference and Labs of the Evaluation Forum)
September 15-18, 2014

G. Farnadi, S. Sushmita, G. Sitaraman, N. Ton, M. De Cock, SERGIO DAVALOS. A
Multivariate Regression Approach to Personality Impression Recognition of Vloggers.
Proceedings of WCPR14 (Workshop on Computational Personality Recognition)
November 2014.

G. Farnadi, G. Sitaraman, M. Rohani, M. Kosinski, D. Stillwell, M.-F. Moens, SERGIO
DAVALOS, M. De Cock. How are you doing? Emotions and Personality in Facebook.
Proceedings of EMPIRE2014 (2nd Workshop on "Emotions and Personality in
Personalized Services") July 2014

BANKRUPTCY RELATED

Curriculum Vitae

Gritta, R., SERGIO DAVALOS. (2010). A neural network approach to forecasting large and. medium regional U.S. air carrier financial stress and bankruptcy. 2010 NeuroPsychoEconomics / ConNEcs Conference. Copenhagen Business Schoolm Frederiksberg, Denmark. Association for NeuroPsychoEconomics. Washington, DC.

Leng, F., Feroz, E., SERGIO DAVALOS, Cao, Z. The Long-Term Performance and Viability of Firms Cited in the SEC's Accounting and Auditing Enforcement Releases. American Accounting Association 2010 AAA Western Region Meeting April 29 - May 1, 2010. Portland, Oregon

A Review of the History of Air Carrier Bankruptcy Forecasting and the Application of Various Models to the U.S. Airline Industry: 1980-2005. Richard D. Gritta, Bahram Adrangi, SERGIO DAVALOS, Don Bright. XIV International Economic History Congress, 21 to 25 August 2006, Helsinki, Finland

The Prediction of Stress and Failure in the U.S. Airline Industry using a Genetic Algorithm. 2006. SERGIO DAVALOS, Richard D. Gritta, and Don Bright. 2006 ATRS World Conference: Nagoya, Japan, May26-28.

A Review of Air Carrier Bankruptcy Forecasting Methodologies and Directions for Future Research, Richard D. Gritta, Bahram Adrangi, Jason Goodfriend, SERGIO DAVALOS. 2005 ATRS World Conference, Rio de Janeiro, Brazil, July 3-7, 2005

The Use of a Genetic Algorithm in Forecasting Air Carrier Financial Stress and Insolvency. SERGIO DAVALOS, Richard D. Gritta, Bahram Adrangi, Jason Goodfriend. Proceedings of Transportation Research Forum - 46th Annual Forum, Mar. 6-8, 2005, Washington, DC

Gauging the Financial Condition of the Major U.S. Air Carriers Using an MDA Model. Rich Gritta (University of Portland), Garland Chow (UBC) and SERGIO DAVALOS. Western Decision Sciences Institute (WDSI) 2002 proceedings.

Forecasting Large Air Carrier Bankruptcies Using a Neural Network Approach: A Preliminary Study. R. Gritta, G. Chow, SERGIO DAVALOS, and Hua Wang. International Conference on Air Transportation Operations and Policy. 4th ATRG (Air Transportation Research Group) Conference, Amsterdam, Neth. Session 5, July 2000.

Forecasting Small Air Carrier Bankruptcies Using a Neural Network Approach: A Preliminary Study. R. Gritta, G. Chow, SERGIO DAVALOS, WDSI-2000 Proceedings (Western Decision Sciences Institute), April 2000

Air Carrier Financial Fitness: An Assessment Over the 1966-1996 Period – A Preliminary Study R. Gritta, SERGIO DAVALOS, and G. Chow, 40th Annual Meeting of the Transportation Research Forum Proceedings, October 1998.

Forecasting U.S. Air Carrier Bankruptcy Using Financial Analysis and Artificial Intelligence - Rich Gritta (UofP), Garland Chow (UBC), SERGIO DAVALOS, 8th World Congress on Transportation Research Proceedings 1998.(Note: Publication in the proceedings is on par with a top journal, and highly competitive (only 300 out of 1600 submissions accepted))

WEB SERVICES

A UML Model-Driven Business Process Development Methodology for a Virtual Enterprise using SOA & ESB. Sam Chung, SERGIO DAVALOS, Craig Nyingma, D.Won, S. Baeg, S. Park, IEEE Asia-Pacific Services Computing Conference (APSCC) 2009 IEEE Computing Society, Proceedings, December 7-11, 2009, Biopolis, Singapore

Service-Oriented Software Reengineering: SoSR. Sam Chung, Joseph Byung Chul An, and SERGIO DAVALOS. 40th Hawaii International International Conference on Systems Science (HICSS-40 2007), CD-ROM / Abstracts Proceedings, 3-6 January 2007, Waikoloa, Big Island, HI, USA. IEEE Computer Society 2007)

A Special Web Service Mechanism: Asynchronous .NET Web Services. Sam Chung, Jennifer Pan, and SERGIO DAVALOS. International Conference on Internet and Web Applications and Services. February 23 - 25, 2006. Guadeloupe, French Caribbean.

Service-Oriented Development and Integration: Toward Web-Services-Based Business Information System. Sam Chung, Zac Bylin, and SERGIO DAVALOS. The Proceedings of IEEE International Conference on Web Services (ICWS 2005). July 11-15, 2005, Orlando, Florida. IEEE Computer Society. pp. 791-792. (ISBN 0-7695-2409-5, 2 pages)

Toward Next Generation Business Information Systems: Four Inherent Capabilities of Service Oriented Computing. Sam Chung, SERGIO DAVALOS, Lai Hong Tang, & Saechul Park. Internet, Processing, Systems, and Interdisciplinaries (IPSI). IPSI-2005 – Hawaii Proceedings, January 6-9, 2005, Hawaii, Hawaii. (Refereed Abstract)

AGENT-BASED MODELING

Multi-Ant Behaviors in Ant Colony Optimization for Strategic Network Modeling (2002) A. Watkins, L. Butel, SERGIO DAVALOS, and M. Boumedine. Southern Association of Information Systems 02 Proceedings.

Ant Colony Optimization Techniques for Modeling Networks. A. Watkins (USF), Lynne Butel and SERGIO DAVALOS. Proceedings of The International Society for Decision Support Systems 6th International Conference (ISDSS'01): "The Use of Performance Indicators in Decision Making", London, U.K., 2-4 July, 2001

Modeling Strategic Networking Using Ant Colony Optimization Techniques. 2001. A. Watkins (USF), Lynne Butel and SERGIO DAVALOS. Proceedings of AMCIS 2001.

UNDERSTANDING SUPPORT SYSTEM

Developing Understanding Support Systems Through Hypertext Functionality Hypertext '96 - Hypertext Functionality Workshop II Proceedings (refereed)

Creating Understanding Support Systems. LETT (Leading Edge Training Technology) '96 Proceedings (refereed)

Providing Systems to Think With: Understanding Support Systems. AoM (International Association of Management) '95 Proceedings (refereed)

PEER REVIEWED BOOK CHAPTER

Case Study: Service-Oriented Retail Business Information System. Sam Chung, Zac Bylin, and SERGIO DAVALOS. Enterprise Architecture and Integration: Methods, Implementation and Technologies. Idea Group Inc. (May 2007)

A Web Service Oriented Integration Approach for Enterprise and Business-to-Business Applications. Sam Chung, Lai Hong Tang, SERGIO DAVALOS. The Proceedings of the 2004 International Conference on Web Information Systems Engineering (WISE 2004) November 22-24, 2004, Brisbane, Australia Published at Lecture Notes in Computer Science 3306 Web Information Systems - WISE 2004. pp 510-515

SCHOLARSHIP IN PROGRESS
WORKING PAPERS – SUBMITTED FOR PUBLICATION

WORKING PAPERS – SELECTED

Working Paper in development stage
Leng, F., Feroz, E., SERGIO DAVALOS, Cao, Z. Do Fraud Investigations Make Breaching Companies More Vulnerable? Evidence From Accounting and Auditing Enforcement Releases.

Davalos, S., Chung, S., De Cock, M., Hafeez, O. Fuzzy Logic and Web Services Selection: An Empirical Examination.

Gudmundsson, S., Gritta, R., SERGIO DAVALOS, Adrangi, B. Partial Least Squares for Airline Bankruptcy prediction and Evolutionary Computing Models.

SERGIO DAVALOS, Watkins, A. Research and publication of Agent Based Modeling for organizational operations: A bio-mimicry approach.

SERGIO DAVALOS, Watkins, A. Software Test Data Generation for Distributed Systems.

Chung, S., Nyingma, C., Davalos, S. From a Legacy System to a Service-Oriented

Information System using Composite Services.

Software Testing Cost Reduction with Genetic Algorithms and Neural Networks, Alison Watkins, SERGIO DAVALOS, Target Journal: Software Engineering and Practice.

Hypertext Functionality in Information Systems. SERGIO DAVALOS Target Journal: Journal of Digital Information

Adaptive Genetic Algorithm for Software Test Data Generation – Steps toward a Hybrid Model. SERGIO DAVALOS, Alison Watkins, Target Journal: Software Maintenance

Knowledge Organization and Organizational Learning: Computational Support for Organizational Memory, Organizational Learning Systems, Corporate Memory and Understanding Support. SERGIO DAVALOS

CONCEPT PAPERS – SELECTED

Neural Networks and Motor Carrier Financial Solvency – Genetic Algorithm Applcation

Enabling Individual and Organizational Learning Through Understanding Support Systems.

Hypermedia and Understanding Support: Cognitive Hypertext Functionality: Implementation of an Understanding Support System

DSS A Decision Analytic Framework and Applications (Text)

REFEREED SCHOLARLY PRESENTATIONS

JOINT PRESENTATION

Service-Oriented Software Reengineering: SoSR, *Sam Chung, Joseph Byung Chul An, and SERGIO DAVALOS.* 40th Hawaii International International Conference on Systems Science (HICSS-40 2007), CD-ROM / Abstracts Proceedings, 3-6 January 2007, Waikoloa, Big Island, HI, USA. IEEE Computer Society 2007*)*

Toward Next Generation Business Information Systems: Four Inherent Capabilities of Service Oriented Computing. Sam Chung, SERGIO DAVALOS, Lai Hong Tang, & Saechul Park. Internet, Processing, Systems, and Interdisciplinaries (IPSI). IPSI-2005 – Hawaii Proceedings, January 6-9, 2005, Hawaii, Hawaii.

SOLE PRESENTATION

Enabling Individual and Organizational Learning Through Understanding Support Systems, HICSS – 30 Learning Technology Tutorial, January 1997.

Developing Understanding Support Systems Through Hypertext Functionality Hypertext '96 - <u>Hypertext Functionality Workshop II Proceedings</u>

Creating Understanding Support Systems. <u>LETT (Leading Edge Training Teachnology) '96 Proceedings</u>.

Providing Systems to Think With: Understanding Support Systems. <u>AoM (International Association of Management) '95 Proceedings</u> (refereed)

SCHOLARLY PRESENTATIONS

<u>JOINT PRESENTATION</u>

Nostalgia in Social Media Conversations: A Facebook Inquiry. Web Data Science Research Lab, University of Washington – Tacoma.   *SERGIO DAVALOS and Altaf Merchant*. March 6, 2013*.*

PROFESSSIONAL DEVELOPMENT RELATED TO SCHOLARSHIP

HICSS-40 - Kona, Hawaii. Socialware Tutorial, January, 2006
HICSS-39 - Kona, Hawaii. Knowledge Management Workshop, January, 2005
Washington State University, MIS Research Colloquium. Vancouver, WA, April 2002.
HICSS-29 – Maui, Hawaii. Electronic Support for Learning, January 1996
Association of Management, Junior Faculty Symposium, Vancouver, BC. August 1995
Decision Science Institute, Case Study Workshop, Honolulu, HW, November 1996.
Decision Science Institute, Machine Learning Workshop, Honolulu, HW, November 1996.
AAAI, Neural Networks Workshop, Seattle, WA, August 1988.
AAAI, Planning Systems Workshop, Los Angeles, CA, August 1987.

GRANTS AND FUNDING

AWARDED

Sam Chung and SERGIO DAVALOS. Chancellor's Fund for Research and Scholarship Award University of Washington – Tacoma, Tacoma, WA. 2007

Sam Chung and SERGIO DAVALOS. Founders Endowment Grant. University of Washington – Tacoma, Tacoma, WA. 2005.

SERGIO DAVALOS. <u>Use of IT at the Port of Tacoma</u>. Port of Tacoma, Tacoma, WA. 2004.

SERGIO DAVALOS. <u>MSIT Program Marketing Evaluation</u>. University of the Virgin Islands Title III Program, St. Thomas.USVI. 2001.

Curriculum Vitae

SERGIO DAVALOS. Master of Science in Internet Technology Curriculum Development. University of the Virgin Islands Title III Program, St. Thomas. USVI. 2001.

SERGIO DAVALOS. Computer Science Seminar ADL Course Development. University of the Virgin Islands Title III Program, St. Thomas. USVI. 2001.

SERGIO DAVALOS. Scientific Computing ADL Course Development. University of the Virgin Islands Title III Program, St. Thomas. USVI. 2001.

SERGIO DAVALOS. Masters in CSC Curriculum Development. University of the Virgin Islands Title III Program, St. Thomas. USVI. 2000.

SERGIO DAVALOS. Computer Architecture Course Development. University of the Virgin Islands Title III Program, St. Thomas. USVI. 2000.

SERGIO DAVALOS. Operating Systems ADL Course Development. University of the Virgin Islands Title III Program, St. Thomas. USVI. 1999.

SERGIO DAVALOS. GroupSystems Software Research Grant, Ventana Corporation. Tucson Arizona. 1996-1998.

SERGIO DAVALOS and Rich Gritta. Neural Networks and Financial Bankruptcy, University of Portland. Portland, OR 1995-1996.

SERGIO DAVALOS, Les Hayes, and Phil Silvers INFORMATION TECHNOLOGY ACROSS THE CURRICULUM (Value $597,000). US Dept. of Education Title III Grant. Washington, DC. 1985-1988.

SERGIO DAVALOS. CD-ROM TECHNOLOGY IN THE CURRICULUM (Value $7,400), Arizona State Vocational Education Grants. Phoenix Arizona. 1986-1987.

SERGIO DAVALOS. SOFTWARE ENGINEERING PROGRAM DEVELOPMENT (Value $8,000)Arizona State Vocational Education Grants. Phoenix Arizona. 1985-1986.

SERGIO DAVALOS. ROBOTICS PROGRAM DEVELOPMENT (Value $7,000)Arizona State Vocational Education Grants. Phoenix Arizona. 1956-1986.

SERGIO DAVALOS. COMPUTER SCIENCE 2+2 ARTICULATION (Value $10,000), Arizona State Vocational Education Grants. Phoenix Arizona. 1984-1985.

SERGIO DAVALOS. COMMON-CORE COMPUTER SCIENCE CURRICULUM (Value $20,000), Arizona State Vocational Education Grants. Phoenix, Arizona. 1983-1984.

SERGIO DAVALOS. INVESTIGATION OF MULTI-MEDIA TECHNOLOGY (Value $1,200), Pima College Interanal Education Grants. Tucson Arizona. 1989-1990.

SERGIO DAVALOS. <u>GRAPHICS CONTENT FOR ACADEMIC AREAS</u> (Value $3,000) Pima College Interanal Education Grants. Tucson Arizona. 1986.

SUBMITTED – NOT AWARDED

SERGIO DAVALOS. Founder' Endowment Grant 2010. Evolutionary Computation in Business. UWT, University of Washington Tacoma

Sam Chung, SERGIO DAVALOS. NWACC 2005. Developing Student Understanding of Web Services and Business Processes through Experience

SERGIO DAVALOS, Alison Watkins. NWACC   Use of Multi-Agent Systems to Enhance Student learning of Coopetition 2005

Doug Wills, SERGIO DAVALOS. Founders Endowment Grant. University of Washington – Tacoma, Tacoma, WA. 2003

Alison Watkins, SERGIO DAVALOS. <u>Implementing a Research Approach into the Undergraduate Program</u>. NSF - CISE Program. Washington, DC. 2000.

TEACHING

TEACHING EXPERIENCE

Undergraduate
Financial Modeling with Excel & VBA, Intro to Info Tech, Introduction to Statistics, Introduction to Computers, Decision Support Systems, Competing with Information Technology,   Systems Analysis & Design, Data Base Management Systems, E-Commerce, Scientific Computing Applications, Operating Systems, Computer Architecture, DataBase Systems, Computer Science Senior Seminar, Introduction to Neural Networks, Artificial Intelligence, Virtual Reality Seminar, Compiler Theory and Design, Java, C++. XML and WML, FORTRAN, COBOL, Prolog, AI, Expert Systems, Graphics Programming, WordPerfect, Lotus, DBase IV, Data Structures, Computer Operations

Graduate
Competitive Advantage through Emerging technologies,   Decision Support Systems,   Accounting Information Systems, Competing   with   Information Technology, Information Systems, Operations Management

SELECTED INSTRUCTIONAL INNOVATION (within last 7 years)

Use of IPad in classroom
Use of Littlefield Simulation in Operations Management
Use of Supply chain simulation

Use of Video Streaming of Lectures – part of course
Use of Tablet PC in Financial Modeling – Visual Basic Class – generate lecture notes
Developed extensive course materials for student use and course organization using
Canvas. Syllabus, study guides, assignments, grades.

PROFESSSIONAL DEVELOPMENT RELATED TO TEACHING

University of Washington, Faculty Fellows, Sr. Teaching Fellow - Autumn 2005
University of Washington, Faculty Fellows, Sr. Teaching Fellow - Autumn 2004
University of Washington, Faculty Fellows, Teaching Fellow - Autumn 2003
University of Washington, Institute for Teaching Excellence, Forks, WA, May 2003
University of Washington, Faculty Fellows, Seattle, WA, September 2002

TRAINING AND CONSULTING

2001 – 2002   University of the Virgin Islands: Develop Quality Control plan for
                   Master of Science in Internet Technology (MSIT) program. Direct
                   MSIT course and curriculum development, St. Croix, USVI.

1998 – 2001   New Avenues for Youth: Develop IS strategic plan Direct analysis
                   and implementation of IT architecture and database, Portland, OR

SERVICE

INTERNAL SERVICE ACTIVITIES

University of Washington
2004   Sr Faculty Fellow – Seattle, and Tacoma Program
2003   Teaching Fellow – Seattle, and Tacoma Program

University of Washington Tacoma
2012-Present   Faculty Assembly – Executive Council
2002-Present   Computing Technology Committee
2012   ITS Post Doc Search Committee
2008-2012   Faculty Affairs Committee
2008   Distinguished Researcher Award Committee
2007   Distinguished Researcher Award Committee
2007   Distinguished Teacher Award Committee
2006   Distinguished Teacher Award Committee
2005   Sr Faculty Fellow – Tacoma Program
2003 – 2004   Business Administration Dean Search Committee

University of Washington Tacoma Milgard School of Business
2015 – Present   CIBM lecturer/director Search Committee - Chair
2014 – Present   MSBA curriculum task force

Curriculum Vitae

2008 – Present	Scholarship Committee
2012 – 2013	CIBM Director/Faculty Search Committee - Chair
2012 – 2013	Tenure and Promotion Committee (3)
2012 – 2013	CIBM Data Analytics Task Force
2011	Marketing Faculty Search Committee
2010 – 2011	CIBM Task Force
2010 – Spring	Third Year Review Committee (2)
2009 – present	Ad-hoc member of MBA Committee
2008 – 2009	Accounting Faculty Search Committee
2004 – 2007	Faculty Council

University of Washington Tacoma Business Administration

2003 – 2004	Faculty Council
2003 – 2004	Business Administration IS/OM Position Search Committee
2002 – 2003	Business Administration Undergraduate Committee
2003	Business Administration Undergraduate Committee

EXTERNAL SERVICE ACTIVITIES

2011-2013	Editor in Chief of Journal of Nature Inspired Business Applications
2009-2011	Editor in Chief of International Journal of Nature Inspired Business Computing
2009-Present	Editorial Board of International Journal of Business Intelligence Research
2009-Present	Editorial Board of Journal of Strategic Information Systems
2009-Present	Program Committee for 13th IBIMA Conference in Marrakech, Morocco 9-10 November 200
2007-Present	Editorial Board of International Journal of Information Processing Systems (DIVISION D: INFORMATION SYSTEM AND APPLICATION) of Korea Information Processing Society (KIPS)
2007-Present	Editorial Board of International Journal of Applied Decision Sciences - IJADS
2007	Paper reviewer: Academy of Management (AOM) Meeting – 2007, Philadelphia, PA. OCIS Sig Group, the MOC Division, and the MED Division, Paper reviewer: Journal of System and Management Sciences, Textbook reviewer: Database Management textbook Pearson Prentice Hall Business Publishing

Curriculum Vitae

2006	Editorial Board of International Journal of Information Processing Systems (DIVISION D: INFORMATION SYSTEM AND APPLICATION) of Korea Information Processing Society (KIPS)
2006	Text Book Reviewer. Visual Basic with UML modeling by Deitel and Deitel. Prentice Hall Publisher, IT for Management, Efraim Turban, Wiley, Kidwell/Parrino- Principles of Financial Management, 1e. Wiley
2006	Informing Science + IT Education Conference 2006, Manchester, England. Paper reviewer
2005	IBIMA 2005 conference in Lisbon, Portugal 5-7, 2005 Paper Reviewer.
2005	Text Book Reviewer. Huber/Piercy/McKeown- Business Information Systems, 1e, Wiley
2003	Local Co-Chair for the forthcoming (December 2003) preICIS International Symposium Research Methods(ISRM)
2003	Text Book Reviewer. Simply Java. Deitel, Deitel, Prentice Hall.
2003	Text Book Reviewer. Simply VB.net. Deitel, Deitel, Prentice Hall.
2002	Reviewer for conference on Information and Knowledge Sharing (IKS 2002
2002	Reviewer for Informing Science + IT Education Conference 2003

COMMUNITY

2002 - present   Business Administration Business Advisory Board as faculty

PROFESSIONAL AFFILIATIONS

Association of Information Systems (AIS)
Association of Computing Machinery (ACM)
INFORMS