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1. EDUCATION:

- D.Sc. Saint Lucia Health Sciences University, West Indies, 1983.
 Major Area: Environmental Engineering
- M.S. The University of Texas at El Paso, Texas, 1972.
 Major Area: Physics
- B.S. The University of Texas at El Paso, Texas, 1967
 Major Area: Mathematics
 Minor Area: Physics (Geophysics)

2. EXPERIENCE:

FULL-TIME EMPLOYMENT

- 1987- Associate Professor of IDS,
2004 Department of Information & Decision Sciences
 College of Business Administration
 University of Texas at El Paso
- 1985- Instructor
1987 Computer Sciences Department
 University of Texas at El Paso

1975- Instructor
1985 Mathematics Department
University of Texas at El Paso

BUSINESS, PROFESSIONAL AND MILITARY EXPERIENCE

1975- Consultant to the Scientific Services
1980 Battelle Columbus Laboratories
Research Center, North Carolina

1974- Research Associate of Applied Natural Science Research Inc.
1987 System Advisor/ IT Systems Administrator
El Paso Natural Gas Company

1969- Operations Research Analyst
1974 U.S. Army Department of Defense
White Sands Missile Range, New Mexico

1967- Geophysical Engineer
1969 Mobil Oil Corporation
Dallas, Texas

3. PUBLICATIONS/PROCEEDINGS:

LEGEND: DB = Discipline Based / CP = Contributions to Practice / LP = Learning & Pedagogical PR = Peer Reviewed / NPR = Not Peer Reviewed

BOOKS/BOOK CHAPTERS:

DB PR Gemoets, L. A. "Management Architecture for AI Systems," of a chapter for **Managing Microcomputer Technology as an Organizational Resources:**

Issues and Trends, edited by M. Khosrowpour and Scott Huebner and Gayle Yaverbaum, Idea Group Publishing, 1991: 203-249.

DB PR Gemoets, L. A. "Designing Effective Expert Systems: An In-Depth analysis of Different Management Issues," In **Information Technology Resources Utilization and Management: Issues and Trends**, M. Khosrowpour, Gayle Yaverbaum, Idea Group Press. Copyright 1990. With Mahmood

JOURNAL ARTICLES

DB PR Gemoets, L.A. "Measuring E-Commerce Technology Enable Business Value: An Exploratory Research." **The Journal of Information and Management**, with M. Mahmood, L. Hall, F.J. Lopez, R. Mariadas, Under Review, Aug 2004

DB PR Gemoets, L. A. "An Empirical Study on Telecommunication Product Adoption on Latin America and the Caribbean". **The Electronic Journal of Information Systems on Developing Countries** 15R2, 15, 3, 2003: 1-17. With Bagchi and Solis

CP PR Gemoets, L. A. "Supply Chain Management." Accepted for publication in **Encyclopedia of Information Systems**, Academic Press, San Diego, for release in June 2002 (ISBN 0-12-227-2404). With Mahmood and Solis

DB PR Gemoets, L. A. "Variables Affecting Information Technology End User Satisfaction: A Meta Analysis Of the Empirical Literature." **International Journal of Human-Computer Studies**, 52 (2000): 751-771. With Mahmood, Burn, Jacquez

DB PR Gemoets, L. A. "A Utilization and Impacts of Information Technology Application on End-Users in U.S. and Mexico." **Journal of Computer Information Systems**, (winter, 1998). With Torkzadeh.

- DB PR Gemoets, L. A. "Information Technology Transfer and Diffusion in Mexico: A Preliminary Analysis." **Journal of Global Information Management**, 3(4), (1995): 5-15. With Mahmood and Goslar
- DB PR Gemoets, L. A. "An Interview with Michael Cimet, President Electronic Data Systems, Mexico." **Journal of Global Information Management**, 3, (4), (1995): 32-33.
- DB PR Gemoets, L. A. "A Re-Engineering Approach to Jill's Galileo S-Band Project: Cost Estimation Assessment Using TQM." **The Indonesian Journal of Accounting and Business Society** 2(1), (1994): 1-18. With Becerra, Mahmood, Trumbly, Lackey
- DB PR Gemoets, L. A. "Factors Affecting the Reliability of Functions Points Methods: An Exploratory Research." **Information Resources Management Journal** . With Mahmood, Hihn, Longstreet,
- DB PR Gemoets, L. A. "Sistema Experto Prototipo para Valuacion de Bienes Inmuebles en Mexico." **Journal of Mexico Engineering**, UNAM, LXIV(1), (January – March 1993): 37-41. With Lucero, Melchor
- DB NPR Gemoets, L. A. " Information Technology: the current reality, Integrating IT in your foreign investment plan." **Technology Series Twin Plant New**, (September 1992): 40-42. With Moreno
- DB NPR Gemoets, L. A. "International Dimensions of Information Technology in the Maquiladora Industry Under the NAFTA." **Journal of Business Administration of the EAFIT University School of Management, Finance and Technology** (Medellin, Colombia) 1992.

- DB PR Gemoets, L. A. "Effects of the Quality of User Documentation on User Satisfaction with Information Systems." **Information and Management: The International Journal of Information systems Applications** 1989. With Mahmood
- DB PR Gemoets, L. A. "Profiles of MIS in the Maquiladora Industry of Cd. Juarez." **Southwest Journal of Business and Economics**, 1 (4), (Fall 1989), 7-13.
- CP NPR Gemoets, L. A. "Expert Systems in Engineering, ESD Technology, 50(11), (November 1989), 19-23. With Manuel Perez, McIntyre
- DB PR Gemoets, L. A. "A Numerical Method of Calculation of Vertical and Horizontal Profiles of Thermal Gradients, Mass Densities and Rise Velocities in Large Fires." **Journal of the Society of Photo-Optical Instrumentation Engineers**, SPIE 547, (1985). With Gemoets, McIntyre
- DB PR Gemoets, L. A. "Sequential Process Method of Modeling Thermo-Gradients and the Dynamics of Fire Plumes." **Journal of the Society of Photo-Optical Instrumentation Engineers (SPIE)**, 305 (Atmospheric Effects on Systems Performance (1981). With McIntyre, Hockett
- DB PR Gemoets, L. A. "Cycle in U.S. Pecan Production Identified by Power Spectral Analysis," Published in the **Journal of the American Society for Horticultural Science** 101(5), (September 1976). With Gemoets, Cannon, McIntyre

EIDTORSHIP OF JOURNALS: None

**PROCEEDINGS/PRESENTATIONS AT SEMINARS, CONVENTIONS,
MEETINGS:**

- DB PR A.O., K.B., Almonte, D., and Gemoets, L.A., “Enterprise Resource Planning and Activity Based Costing in a Local Government Setting: The El Paso, Texas Case,” to appear in Decision Sciences Institute 2004 Annual Meeting Proceedings, Boston, MA, November 2004 7301-7306.
- DB PR Gemoets, L. A. Teledomcracy in Mexico: An Application of the Internet in a Cyber War.” **Proceedings of the 2004 Information Resources Management Association International Conference**, New Orleans, LA, May 2004 With Ibarreche and L. Gemoets (2)
- DB PR Gemoets, L. A. The Role of E-Commerce Technologies in Supply Chain Management: An El Paso/Juarez Maquiladoras Study.” **Proceedings of the 2003 Decision Sciences Institute Conference** in Washignton, D.C., November 22-25, 2003, with A. Solis, Gemoets , Hall (1)
- DB PR Gemoets, L. A. “ Telephone and Cell Phone Adoptions in Latin American and Caribbean Nations.” **Americas Conference on Information Systems (AMCIS)**, Tampa, Florida, 2003. With Bagchi, Solis
- DB PR Gemoets, L. A. “Assessing eCommerce Technology Enabled Business Value: An Exploratory Research.” **Proceedings of the 2003 Information Resources Management Association International Conference**, Philadelphia, PA, 2003 (1). With Mahmood, Hall, Lopez, Mariadas,
- DB PR Gemoets, L. A. “Reengineering Supply Chain Management: and E-Commerce Approach.” **2002 Information Resources Management Association International Conference**, submitted August 2001, accepted November 2001 for publication in the Conference Proceedings and Presentation at the Conference. May 2002, Seattle, WA. With Mahmood, , Solis.

- DB PR Gemoets, L. A. "Implementing an Enterprise Resource Planning System for the City of El Paso." **2002 Information Resources Management Association International Conference**, submitted September 2000, accepted November 2001 for publication in the Conference Proceedings and Presentation at the Conference. May 2002, Seattle, WA. With Solis, Putnam, Almonte
- DB PR Gemoets, L. A. "How to Harness the Power of Information Technology to participate in the New Economy of the 2000s." **Proceedings of the National Decision Sciences Institute Conference**, in Orlando, Florida, November 18-21 2000, With Mahmood, Franco.
- DB PR Gemoets, L. A. "A Meta Analysis of Group Satisfaction, Decision Quality, Group Consensus and Anonymity In-Group Decision Support Systems Research." in **Proceedings of the National Decision Sciences institute conference**, Las Vegas, NE, November 21-24, 1998, 895-897 with M. Mahmood, Hall, Ramos.
- DB PR Gemoets, L. A. "A Utilization and Impacts of Information Technology Application on End-users in U.S. and Mexico." **Proceedings of the International Association for Computer Information Systems**, Cancun, Mexico, October 1998. Received the Best Research Paper Award. With Torkzadeh
- DB PR Gemoets, L. A. "A Managerial Assessment of Delphi Automotive Systems, Mexico Operations Readiness for Change." in **Proceedings of the 1998 Information Resources Management, Association International Conference** Boston, MA, May, 1998, 157-161. With Thomson
- DB PR Gemoets, L. A. "Using Function Points?" **Information Resource Management Association International Conference**, Vancouver, Canada, May, 1997. With D. Longstreet

- DB PR Gemoets, L. A. "Factors Affecting the Reliability of Function Points Method: An Empirical Investigation." **International Function Point Users Group Fall Conference**, Dallas, TX, September, 1996. With Mahmood , Hihn, Longstreet.
- DB PR Gemoets, L. A. "Incorporating Risk and Uncertainty into Software Cost Estimation." in **Proceedings of the 1996 Information Resources Management Association International Conference**, Washington, D.C., May, 1996, 169-173 with Mahmood, Jacquez.
- DB PR Gemoets, L. A. "The Effect of GDSS Technology on the level of Group Thinking: An Empirical Study in Group Levels of Cognitive Complexity." in **Proceedings of the 1995 Information Resources Management Association International Conference**, Atlanta, GA, May , 1995, 449-451. With Mahmood , Trumbly , and Sanchez
- DB NPR Gemoets, L. A. "Managing Changes in the Maquiladora Industry: From Cost Centers to Profit Centers." **APICS E&R Foundation Conference**, San Diego, CA November. 1995.
- DB NPR Gemoets, L. A. "Maquiladoras and Global Sourcing." Panel Discussion, **The Fourth Annual Miles International Conference**, El Paso, TX, September 1995.
- DB NPR Gemoets, L. A. "When to Stop Testing Software? A Fuzzy Interval Approach." **Industrial Fuzzy Control and intelligent Systems conference and NASA Joint Technology Workshop on neural Networks and Fuzzy Logic**, (NAFIPS) December 1994. With Kreinovich, Melendez
- DB NPR Gemoets, L. A. "Error Estimates for the Results of Intelligent Data Processing, Especially Neural Networks." **Interval Methods in Artificial Intelligence Conference**, Lafayette, Louisiana, Spring 1993. With Gulati, Villaverde

- DB PR Gemoets, L. A. "Conceptual Design of a Compensation Expert System With an Interface To A Human Resource Information System." Proceedings of the **Northeast Decision Sciences Institute's Annual Conference**, Philadelphia, PA., pp. 136-138, March-April 1993. With Mahmood, Castorena
- DB NPR Gemoets, L. A. An Information Technology Profile of the Maquiladora Industry. @ **A.U.C. VI International Conference Proceedings**, Medellin, Colombia, September 1992, pp. F1-1-F1-15.
- DB NPR Gemoets, L. A. "Knowledge Extraction Methods for the Development of Expert Systems." **AGARD Conference proceedings**, No. 474, Madrid Spain, , September 1990, pp. 10-26. With Perez, McIntyre
- DB NPR Gemoets, L. A. "Applications of Bayesian Analysis to Avionics System Built-on Tests." **Proceedings of the 1990 International Congress on Technology and Technology Interchange (ICTTE)**, January 1990. With Perez, McIntyre
- DB NPR Gemoets, L. A. "Knowledge Extraction Methods for the Development of Expert Systems." **Proceedings of the International Congress on Technology and Technology Exchange (ICTTE)**, January 1990. With Perez, McIntyre
- DB NPR Gemoets, L. A. "Space Technology Transfer in the Battlefield for Army 21." JPL D-8288 California Institute of Technology Jet Propulsion Laboratory, Pasadena, California, December 1990. Referred by Dr. Nora Mainland and Dr. Richard Doyle.
- DB NPR Gemoets, L. A. "A Unified Approach to Data Fusion and Decision Support Systems for Command Control." **Proceedings of the Technical Interchange of Society of Hispanic Professional Engineers**, January 1990, San Antonio, Texas. With Perez, McIntyre

- DB NPR Gemoets, L. A. "Theory and Application of Airborne Weather Radar Systems." **Proceedings of the national Symposium of the Society of Mexican American Engineers and Scientists**, pp. 86-127, May 1990. With Perez, McIntyre
- DB NPR Gemoets, L. A. "Applications of Bayesian Analysis to Avionics System Built-on Tests." **Proceedings of the 1990 International Congress on Technology and Technology Interchange (ICTTE)**, Jan 1990. With Perez, McIntyre
- DB NPR Gemoets, L. A. "Kalman-Filter Data fusion of 3-D Sensors." **First National Symposium on Sensor Fusion**. Orlando, FL, April 1988. With Morales, McIntyre
- DB NPR Gemoets, L. A. "Low-Resolution molecular Transmission Model for Atmosphere Water Vapor in LOWTRAN." SPIE Vol. 926, April 1988. **SPIE Orlando**, FL, April 1988. With Maragoudakis, Pierluissi
- DB NPR Gemoets, L. A. "Artificial Intelligence in Science and Engineering." **Proceedings of 11th National Symposium of the Mexican American Engineering Society**, October 14-17, 1987. This was also the lead off paper and I served as panelist in the symposium on Artificial Intelligence in which the paper was presented. With Morales, McIntyre
- DB NPR Gemoets, L. A. "Measurements in Radar systems and signal Processor Evaluation." **11th National Symposium of the Mexican American Engineering Society**, El Paso, TX, October 1987. With Perez, McIntyre
- DB NPR Gemoets, L. A. "Applying Computer Spreadsheets to Partial Differential Equations." **Proceedings of the 11th National Symposium of the Mexican American Engineering Society**, October 14-17, 1987. With Gemoets, McIntyre

- DB NPR Gemoets, L. A. "A New Approach to Nuclear Winter Dust Estimates." **Mexican American Engineering Society 10th national Symposium**, April 1986. With McIntyre
- DB NPR Gemoets, L. A. "A Comparison of Methods for Estimating Vertical and Horizontal Profiles of Temperature and Pressure and Illustrations of their Use in Calculations of Transport Properties in Gas Plumes above Non-Uniform Fire Bases." **Proceedings of the tenth Annual Smoke/Obscurants Symposium Co-Sponsored SPIE and U.S. Army**, Aberdeen, MD, April 22, 1986. With Gemoets, McIntyre
- DB NPR Gemoets, L. A. "Comparison of Methods for Estimating Vertical and Horizontal Profiles of Thermal Plumes Generated by Fires." **Smoke/Obscurants Symposium X**, April 1986. With Gemoets, McIntyre
- DB NPR Gemoets, L. A. "An Energy Analysis of the High Energy Compression of a Porous Soil Structure." **Proceedings of Battlefield Dust Environment Symposium II**, January 1985. With McIntyre, Mason, Long
- CP NPR Gemoets, L. A. "A Rapid Calculation of Transmission and Scattering by an Instantaneously Produced Low Level Snow Cloud" – **Snow Symposium III**, Cold Regions Research and Engineering Laboratory, August 1983. With McIntyre

DOCUMENTED PRACTICE SOFTWARE DEVELOPMENT: None

OTHER PUBLICATIONS: None

RESEARCH AWARDS:

- Best Research article award “Utilization and Impact of Information Technology Application in End-Users in U.S. and Mexico,” **Journal of Computer Information Systems Winter 1998**

4. GRANTS/REPORTS FROM SPONSERED RESEARCH

National Aeronautic and Space Administration Jet Propulsion Laboratory, California Institute of Technology, 1994, 1995, \$100,000, Funded C Robust Technical management Information System. Principal Investigator.

Presently working with Co-Investigator M. Mahmood and J. Hihn of JPL, on the development of Function Point based Software development sizing tools.

Gemoets, L. (Co-Principal Investigator with M.A. Mahmood), Robust Technical Cost Management Information Systems, \$178,000, funded by *National Aeronautics and Space Administration/Jet Propulsion Laboratory*, 1993-1994.

5. TEACHING:

COURSES TAUGHT:

Graduate Courses:

- IT Competitive Strategies
- IT Impact on the Organization
- Management Information Systems
- Systems Analysis and Design
- Management of IT

Under-Graduate Courses

- Expert Systems and Decision Support Systems
- Management Information Systems
- Business Data Structures
- Systems Analysis and Design
- Advanced Business Systems Development
- Systems Control
- Advanced COBOL
- Introduction to Business Data Processing

NEW COURSE CREATION: None

EXECUTIVE EDUCATION COURSE CREATION: None

DISSERTATIONS/THESES CHAIRED: None

DISSERTATIONS/THESES COMMITTEES: None

TEACHING AWARDS:

Outstanding Teaching 1988-1989

AREAS OF RESEARCH INTEREST:

- International IT Strategic Issues
- Enterprise Resource Planning (ERP)
- Customer Relationship Management (CRM)
- IT Corporate Strategic Planning
- IT Impact on the Organization
- E-Commerce/E-Business Corporate Strategies
- Strategic Server Consolidation
- Geographical Information Systems (GIS) Planning

6. SERVICE:

ACADEMIC OR PROFESSIONAL ORGANIZATIONS: None

UNIVERSITY:

UNIVERSITY OF TEXAS AT EL PASO SERVICE

a. University Committees

Faculty Senate - Member 1996 to present

Graduate Faculty, member since 1987, Reappointed 1991

CAPRE Committee 2002-2003

University Technology Committee, member (appointed by the President), 1995 to 1996 (as a member of this committee advises President and Vice Presidents on technology policy and planning for the institution).

University Ad Hoc Computer Resources Committee, 1996-96 (the committee was given the responsibility for conducting a comprehensive and exhaustive inventory of all computing facilities used in support of academic programs).

b. Departmental Committees

Departmental Promotion and Tenure Committee, 1996 to present

Departmental Merit Evaluation Committee, 1993-96, Member

Departmental Faculty Search Committee,, 1995

COLLEGE:

Undergraduate Curriculum 2003-Present

DEPARTMENT: None

OTHER (COMMUNITY, ETC.): None

SERVICE AWARDS: None

7. MEMBERSHIPS:

- Mexican American Engineering Society (MAESE)
- International Resource Management Association (IRMA)
- Decision Sciences Institute
- El Paso Times, Advisory Board Member
- Faculty Coordinator University of Texas at El Paso Community Partnership Foundation
- City of El Paso IT Advisory Board
- Border Institute of Technology Advisory Board

8. PRESENTATIONS/SPEECHES NOT INCLUDED IN 3. ABOVE: None

9. FACULTY DEVELOPMENT: OTHER EVIDENCE OF MAINTENANCE OF RELEVANCY AND CURRENCY: None

10. OTHER:

FELLOWSHIPS AND OTHER TRAINING

- AACSB Faculty Development Institute in Information Systems at University of Indiana 1988
- Faculty Fellowship in Artificial Intelligence at California Institute of Technology Pasadena California 1989-1990
- Leadership Training MALDEF Institute, 1998

AWARDS:

- Best Research article award “Utilization and Impact of Information Technology Application in End-Users in U.S. and Mexico,” Journal of Computer Information Systems Winter 1998

TRAINING:

- MALDEF Institute
Twelve month Leadership Training, 1998

RESEARCH IN PROGRESS:

Gemoets, L.A., Mahmood, M.A. and Duff, J “Information Infrastructure Development Model: Using Geographical Information Systems “.

Gemoets, L.A.,”An Analysis of the Visionary Companies Model of Collins Porras : from the Information Technology Perspective”.

Gemoets,L.A., Mahmood, M.A. and Solis ,A.O.,”Information Infrastructure Development Model for the City of El Paso’s People Soft ERP Implementation

Gemoets, L.A. “A Study of the Implementation of an Enterprise Resource Planning System for the City of El Paso Housing Authority”