#### JORGE LUIS ROMEU

201 Rugby Road; Syracuse, NY 13203 Dpt. Mech. & Aerosp. Eng., Syracuse University, Syracuse NY 13244 Phone (315) 476-8994; Email: <u>romeu@cortland.edu</u> Web: http://www.linkedin.com/pub/jorge-luis-romeu/26/566/104

**BACKGROUND and AREAS OF EXPERTISE:** academic, research, and consulting applications of industrial statistics and operations research; STEM education and related pedagogy; educational research; design, development and operation of joint university, industry and business research and development centers and institutes.

**EDUCATION:** Syracuse University: Ph.D. 1990; M.S. 1982, M.Ph. 1987 (Industrial Engineering and Operations Research); University of Havana, Cuba, Licenciado 1973 (Mathematical Statistics).

## Work Experience

## Director, Juarez-Lincoln-Marti Project (1994 – Present)

Romeu founded and developed this International Education project at the conclusion of his Fulbright stage. The Project has exchanged eighteen faculty between Mexico, Venezuela and the US, taught two dozen development workshops on education methodology and technology infusion, donated several hundreds of textbooks in science, and created a fee access Web Page, with technical material. More information: <u>http://web.cortland.edu/matresearch</u>.

## Adjunct Professor of Statistics & Operations Research Syracuse University, NY (1988-Present)

Engineering education and applied statistics research. Teach Industrial Statistics, Operations Research and Quality Engineering graduate and undergraduate courses, Mechanical and Aerospace Engineering Department. Was a Research Professor for sixteen years (2001-2019). More Info in http://lcs.syr.edu/faculty/romeu/

## Reliability Analysis Center: IITRI/Alion, QSI & Independent Consultant. (2000-Present)

Romeu worked for over ten years, as Senior Engineer and Science Advisor, with the Reliability Analysis Center. RAC was a DOD Project dedicated to provide quality, reliability and continuous improvement support to Air Force and other DOD branches. It was operated, at different times, by the IITRI, Alion and QSI organizations. Romeu developed tutorials and taught short courses for them until 2012 After that date, Romeu became an independent consultant and currently provides advice and teaches short training courses in quality and reliability.

#### Sponsored Research (2011-12), and Adjunct Professor (2012-2017) SUNY Polytechnic Institute, Utica NY.

Develop faculty research and scholarship abilities, proposal writing, and monthly Lecture Series, student research days, inter-campus collaboration, etc. Develop a network of Sponsored Research specialists throughout SUNY Campuses. As an Adjunct Professor, teach management science undergraduate and graduate courses.

## Fulbright Speaker Specialists Program Senior Speaker Specialist (2001 - 2022)

Romeu has taken assignments of up to six weeks each, in Statistics/DOE and Engineering Education in Mexico (2003), Dominican Republic (twice in 2004), and Ecuador (2006). He has trained faculty in pedagogical issues, via videoconferences, in Thailand. He was also a *Candidate Reviewer* for the Roster Program.

## Senior Engineer IIT Research Institute/Alion, Rome, NY (1998-2007)

Senior technical advisor for statistical and reliability modeling and data analysis for the Reliability Analysis Center (RAC) and the Advanced Materials and Processing Technology Information Analysis Centers (AMPTIAC). Romeu supported government and commercial customers in applications of modeling, simulation and industrial statistics techniques. He wrote a textbook on statistics and developed a reliability engineering short course, that he frequently teaches around the country, using this textbook and two dozen web tutorials developed for the RAC/RIAC.

## Associate Professor of Statistics State University of New York at Cortland (1985-98). Emeritus (1998+)

Romeu taught Statistics, Computer Science and Mathematics, and was a member of the Graduate Faculty. He also performed research in statistics education, simulation and Monte Carlo studies. He developed several new courses and created an international education project. For his research and scholarly publications he obtained a Drescher Award (1989), a Fulbright (1994) and several government and SUNY grants. He retired *Emeritus* in 1998.

#### Senior Fulbright-Garcia Robles Scholar Instituto Tecnologico Autonomo de Mexico, ITAM (1994)

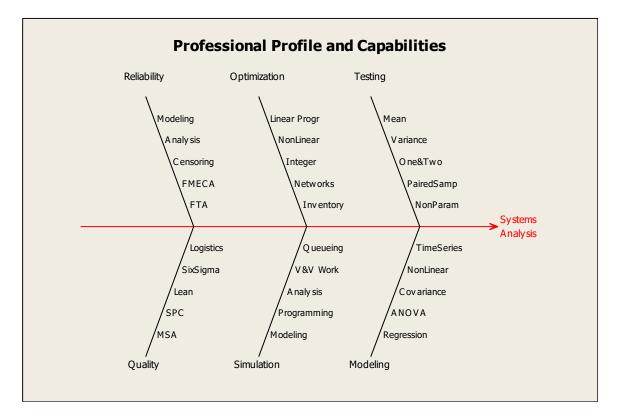
During his Fulbright in Mexico, Romeu taught senior level Discrete Event Simulation, Modeling and Analysis, General Statistics and presented faculty development seminars at three other institutions, covering the teaching of statistics with simulation. ITAM is considered the best school of economics in Mexico and second in Latin America.

#### Research Statistician IIT Research Institute, IITRI (1982-85)

Statistical and reliability modeling and data analysis of hardware and software for DACS (Data Analysis Center for Software) and RAC (Reliability Analysis Center). Short course instructor "Reliability Statistics for Engineers".

## Statistician/Operations Research Analyst Cuban Petroleum, Construction & Agriculture Depts. (1972-80)

Time series analysis, optimization methods, regression/ANOVA/GLM applications, Multivariate analysis.



Selected Publications: http://web.cortland.edu/romeu/papers.html Selected Accomplishments, Honors and Awards: http://web.cortland.edu/romeu/honors.html Selected International Activities: http://web.cortland.edu/romeu/talks.html

#### **Additional Information**

- Fully trilingual in Spanish, English and French. Limited Italian and Russian.
- Working/living experiences in Cuba, Mexico, Dominican RepublicI, Ecuador, Venezuela, and Spain.
- Creator, Qual., Rel. & Cont. Improvement Inst. http://web.cortland.edu/matresearch/QR&CIInstPg.htm
- Several books published in the Internet, with his articles on Cuba and Latin America.
- Member Leader of several professional, civic and community organizations.

#### Updated: VI/2023.

# **APPENDIX**

## **ACCOMPLISHMENTS:**

- Creation and direction of the Juarez Lincoln Marti international education project that fosters exchanges mainly (but not exclusively) between American and Mexican universities. Among other achievements, 18 Mexican professors and one American administrator have visited the other country, to attend professional meetings, most with full scholarships, and several boxes of textbooks have been donated and distributed, through this project.
- Chartered Statistician Fellow, of the Royal Statistical Society
- Regional Director (for Upstate NY and PA) of the American Society for Quality (ASQ).
- Candidate Reviewer for the Fulbright Specialist Speaker Roster.
- Candidate Reviewer for the Graduate Scholarship of the EPA/STAR Program.
- Director, Qual. Rel. & Cont. Improvement Institute Web Page: <u>http://lcs3.syr.edu/faculty/romeu/QR&CII.htm</u>
- Taught two dozen short (three to five days) faculty development workshops, on methods for teaching with, and infusing technology, simulation and cooperative learning techniques in statistics and science, using DL.
- Design and proposal of a joint university-industry research center for business and economic development.
- Maintaining two Email lists for the information of faculty and scientists in Mexico and Iberoamerica: one on Technology and International Education and a second one on Ecological research matters.
- Development, with a team of international professors, of a complete Masters degree curriculum in Operations Research, for the University of Comahue, in Neuquen, Argentina.
- Development of an international education project with Venezuela that brought a college professor to SUNY to pursue a one-month novel internship program with Dr. Romeu.
- P.I. in four international education proposals: two for NSF/International Operations (developing simulation studies of ecosystems); two for FIPSE/NSF (moving American college students to study sciences and statistics).
- P.I. in ten (IITRI and SU) proposals for NSF (establishment of international REU Site) and Dept. of Education (collection and study of NCES student data and establishment of an international education clearinghouse).
- International Education consultant (Fundayacucho) for Venezuelan university (UNERG) developing faculty and student workshops in technology infusion and use and assessing the university institutional needs.
- International Education Program Proposal Reader for FIPSE/Dpt. Education and NSEP/DOD competitions and Member of the Expert Panel for the NSEP Program proposal final selection;
- Published numerous articles on experimental research and statistical assessment of the effects of new teaching methodologies, the use of technology, contextual projects and cooperative learning techniques in statistics and science education. See, for example: <u>http://www.stat.auckland.ac.nz/~iase/publications/3/3041.pdf</u>.
- Published several articles on the use of technology and the Internet in the development and implementation of international education and exchange projects and on his experiences in using Distance Learning techniques.
- Developed and taught (<u>http://src.alionscience.com/pdf/RAC-1ST/Statistics Training Course.pdf</u>) professional courses and a sequence of applied statistics tutorials for the Internet.
- Member, national committees, sections and boards of several international professional associations
- Reviewer for several statistics, computers and O.R. professional journals
- Newspaper and radio journalist with over 200 articles in US, and foreign newspapers.
- Writer, with two short story books (in Spanish) already published and several stories in anthologies.
- Member of several community and professional organization leadership and institutional boards.

# **PUBLICATIONS:**

- Dr. Romeu has published over 30 articles in refereed journals in statistics, operations research, and education. He has written over 20 tutorials for professional development in the web. He has Chapters in two books and a textbook for engineers. See relevant articles in: (http://web.cortland.edu/romeu/research.html):
- Commented Summary of a Year of Work in Covid-19 Statistical Modeling. ASA/JSM Annual Meeting. Washington, DC. 2022. ResearchGate
- Teaching New Quality Applications to the Next Engineering Generation. <u>Northeast Quality Councils Biannual</u> <u>Conference</u> (NEQC). Oct. 2018. Marlborough, MA.

- Statistics in Support of Masonic Historical Studies. Social Statistics Section. ASA/JSM Annual Meeting. Baltimore, MD. 2017. In <u>Estadística</u>, Journal of the Inter-American Statistical Institute/IASI. (2019).
- Impacto Social y Educacional de los Programas de Solidaridad y Entrenamiento Pedagogico del Proyecto Juarez Lincoln Marti, en America Latina. <u>Proceedings of the Annual Symposium of ASCE</u> (Assoc. for the Study of the Cuban Economy. Miami, FL. 2016.
- A Comparative Study of Freemasonry in Cuba and Puerto Rico, during the last Quarter of the XIX Century. XIV International Symposium of the History of Spanish Freemasonry. Gijon, Spain. September 2015.
- Un Análisis Estadístico Comparativo de la Logia Adelphia de Puerto Rico: 1888 v. 2011-12. <u>REHMLAC</u> (University of Costa Rica). 2015. Vol. 6, No. 1. 34--51 (with Prof. L A. Otero).
- An Analysis of the published literature on the Cuban Civil Society. <u>Caribbean Studies</u>, Vol. 41, No. 1 (Jan.-Jun. 2013). Institute of Caribbean Studies. University of Puerto Rico, Rio Piedras. Available in: http://ecs.syr.edu/faculty/romeu/AnalLiterSocCivCaribStudies.pdf
- Use of SW, Groups, Projects and Presentations to Teach & Foster Applied Stats. Published in "<u>Estadistica en America Latina: Tendencias y Perspectivas</u>", Electronic Textbook edited by the Central University of Venezuela, Caracas. 2013. Textbook Available in: http://saber.ucv.ve/jspui/handle/123456789/4666/ My Article is available in: http://ecs.syr.edu/faculty/romeu/PlantillaAudyEstadInvest2013.pdf
- Demographic Study of Cuban Freemasons: a Technical Discussion. <u>Proceedings of Social Statistics</u>, Joint Statistical Meetings, American Statistical Association, Miami FL. 2011. Also published in <u>ESTADÍSTICA</u> (2013), Vol. 63, No. 181, pp. 57-75, the Journal of the Inter American Statistical Institute/IASI.
- On the Statistical Education of American Engineers. <u>The Journal of The RIAC</u>. August 2012. Available in the Web: <u>http://web.cortland.edu/romeu/StatEdAmerEng2012Q2-art3.pdf</u>
- Professional Organizations and the Learning of Statistics After College. <u>Revista Empresarial</u>, Universidad Inter-Americana de Puerto Rico. Spring 2013. Pp. 20–-37. http://ceajournal.metro.inter.edu/spring13/romeujorge0901.pdf.
- Estudio Estadistico del Auge y Declive de la Masoneria Cubana: 1945-1980. <u>REHMLAC</u>, Journal of Studies of the History of Latin American and Caribbean Freemasonry. University of Costa Rica. December 2011.
- The Role of Cuban Freemasons in the Development of Civil Society. Proceedings Cuba Futures Symposium, Bildner Center/CUNY. May 2011. To Appear as a Chapter in: <u>Handbook of Contemporary Cuba</u>: Economy, Politics, Civil Society, and Globalization". Paradigm Press.
- Simulation of Hail Storms Using Simultaneous Efficient Random Number Generators, <u>Handbook of Fitting</u> <u>Statistical Distributions with R</u> (Eds. Z. Karian and E. Dudewicz). June 2011
- Professional Organizations and the Learning of Statistics after College. Joint Statistical Meetings American Statistical Association. <u>Proceedings of Statistical Education</u>. Vancouver, Ca. August 2010.
- Design of Experiments in the Modeling of Environmental Systems, Fifth Central American and Caribbean Meeting, Int'l Biometric Society, Veracruz, Ver. Mexico. July 2009.
- Design for Six Sigma in the Charting of a Cuban Transition. <u>Cuban Affairs</u> /U. of Miami Journal. Vol. 3, Issue No. 4. 2008.
- Statistical Thinking and Data Analysis Enhancing Human Rights Work (Ch. 4), in <u>Statistical Methods for</u> <u>Human Rights</u>, 2008. Eds. Ascher, Banks, Springer/Amer. Stat. Assoc. (book chapter).
- Teaching Engineering Statistics with Technology, Group Learning, Projects, Simulations and Student Presentations, Jour. Educ. Tech. Systems, 36 (3), 297—304. 2008.
- On Operations Research and Statistic Techniques: keys to quantitative data mining. AJMMS, <u>American Journal</u> of <u>Mathematics & Management Sciences</u>, 26 (3 & 4), 293-328. 2007.
- Teaching Engineering Statistics to Practicing Engineers, <u>Proc. International Conference on Teaching Statistics</u> (ICOTS-7), International Assoc. for Statistical Education (IASE). Salvador, Bahia. Brazil. July 2006.
- More on the Juarez Lincoln Marti International Education Project. <u>Amer. Jour. of Math and Management Sci</u>. (AJ MMS). Vol. 25, Nos. 1 & 2. December 2005
- Measuring Cost Avoidance in the Face of Messy Data. <u>Proceedings of the Reliability and Maintainability</u> <u>Symposium</u> (RAMS). Los Angeles, CA. 22 Jan 2004
- Design and Evaluation of Aquatic Ecosystems via Discrete Event Simulation. <u>Proceedings of the Federal</u> <u>Comm. On Stat. Methodology Research Conference</u>. (Washington DC). November 2003
- The Juarez Lincoln Marti Project: an Example of International Co-operation in Education and Research. <u>Proceedings of the International Statistical Institute</u> Biennial Conference (Berlin, Germany). August 2003

- Course Administration: the often-forgotten component of technology infusion. Journal of Educational <u>Technology Systems</u> Vol. 31(4) 305-310, 2002.
- On Preparing International Professionals (in Spanish). <u>Revista La Ciencia y El Hombre</u>; Universidad Veracruzana, Jalapa, Ver. Mexico. Vol. XIV, No. 3. Sept-Dec 2001.
- Technology and International Education; Journal of Educational Technology Systems 28(4) 305-310, 2000.
- A Discussion on Institutional Research. <u>Proceedings of the 2000 Annual Meeting of ASCE.</u>
- Statistical Assessment of an Experiment to compare traditional vs. laboratory approaches in teaching Introductory Computer Programming. Journal of Educational Technology Systems Vol. 27(4) 319-324, 1999.
- <u>A Practical Guide to Statistical Analysis of Material Property Data</u>. AMPTIAC State of the Art Review. 1999. Used as textbook in ECS529 (Engineering Statistics) at Syracuse University and IIT graduate statistics courses.
- Minitab and Pizza: a workshop experiment. Jour. of Educat. Technology Systems. Vol. 27(2), 163-168, 1998.
- Faculty Development in Transitional Cuba. <u>Proceedings of the 1998 Annual Meeting of ASCE</u>
- Experiences in Iberoamerican International Education. <u>Proceedings of CIBEM-III</u>, Caracas, Venezuela. 1998
- On Simulation and Statistical Education. Amer, Jour. of Math. and Management Sciences; Vols. 3 & 4. 1997.
- Assessment of Simulations, Group Learning and Laboratories in the Teaching of Statistics. <u>Proceedings of the 51st International Statistical Institute</u>. Istanbul, Turkey. August 1997.
- A New Test for Multivariate Normality. <u>Amer. Jour. of Math. and Management Science</u>s. Vol. 4, 1996. Awarded the Saaty Prize for best applied statistics paper published in 1997 in the journal
- Statistical Education and Simulation. <u>Proceedings of Statistical Education</u>. American Statistical Association Annual Meeting. August 1995.
- A Statistical Comparison of Cuban Socioeconomic Development. <u>Proceedings of Social Statistics</u>. American Statistical Association (ASA) Annual Meeting. August 1994.
- Simulación, Pedagogía y Estadística. <u>Proceedings of the 1994 Mathematics Symposium</u>. ITAM, Mexico.
- Statistical Thinking in the Assessment of Human Rights in Cuba. <u>Proceedings of Social Statistics</u>. American Statistical Assoc. (ASA) 1993 Annual Meeting.
- A Comparative Study of GOF Tests for Multivariate Normality. Journal of Multivariate Analysis. August, 1993.
- A New Graphical Test for Multivariate Normality. <u>Communications in Statistics</u>, Simulation & Computation. Vol. 21, No. 1, 1992.
- Teaching Engineering Statistics with Simulation. Journal of the Institute of Statisticians. Vol. 35. No. 4. 1986.

# INTERNATIONAL EDUCATION ACTIVITIES

# Presentations/Talks Abroad:

Dr. Romeu has given invited talks and presentations on applied statistics, simulation modeling, statistical education, technology infusion, social consequences of science education, modern (student centered) pedagogical practices and administration in the US, Mexico, Brazil, Spain, Dominican Republic, Venezuela, Cuba, Ecuador and Turkey.

# Main Faculty Development Workshops and Seminars Abroad:

- Software Reliability. Universidad del Pais Vasco. Summer Courses. San Sebastian. Spain. July 1987.
- Simulation Seminar, Instituto Tecnologico Autonomo de Mexico (ITAM), Weekly January- June 1994.
- Simulation Infusion Seminar, Universidad del Anahuac del Sur, Mexico, DF, January 1994.
- Simulation Infusion in Statistics, Universidad Autonoma de Tamaulipas, Tampico, Tamps, April 1994.
- Simulation Infusion in Statistics. Universidad de Santiago de Compostela, Galicia, Espana, January 1995.
- Simulation Infusion in Statistics. Universidad del Pais Vasco, San Sebastian, Espana, January 1995.
- Simulation Seminar in Statistics. Universidad del Pais Vasco, Baracaldo, Bilbao, Espana, January 1995.
- Technology in Science Education Seminar. Romulo Gallegos University, San Juan. Venezuela. January 1998.
- Seminar on Statistical Applications in Education and the Environment. Universidad de Galicia en La Coruna, Espana. Julio de 1999.
- Technology in Science Education: Universidad de las Americas, Cholula, Puebla (Sponsored by "Specialist Speaker" Grant from the US Department of State) and Universidad Hispanoamericana, Mexico DF. May 2000.
- Technology and Minitab in Statistical Education. Universidad Veracruzana, Xalapa, Mexico. July 2000.

- Technology Infusion, Group Learning and Course Administration in Science Education. Universidad de Chapultepec. Mexico, DF. July 2000.
- New Technology, Group Learning and Modern Pedagogy in Science Education: Instituto Tecnologico de Estudios Superiores de Monterrey (ITESM). Campus Edo. Mexico. July 2000.
- Practical Examples in the Infusion of Technology and Modern Methods Seminar. Instituto Tecnologico de Estudios Superiores de Monterrey (ITESM). Campus Edo. Mexico. July 2002.
- The Final Project in the Statistics Course: Minitab and Pizza; a practical example. Universidad de Cantabria. Santander, Espana. February 2003.
- Technology infusion and related pedagogical methods in the general, mathematics and science education (six week Fulbright Senior Speaker Assignment to Universidad Veracruzana, Xalapa, Ver., Mexico). June of 2003.
- Technology infusion and related pedagogical methods in the general and science education and development of a university-industry business research center. Universidad Catolica de Santo Domingo, DR. Part I: August of 2004; Part II: December of 2004.
- Statistical Education Colloquium. Universidad Veracruzana, Xalapa, Ver. Mexico. November 2005.
- Presentation: How Professional Engineers Learn Statistics on their Own, After Leaving College. ICOTS-8 Int'l. Conference. Salvador. Brazil. July of 2006.
- Design of Experiments graduate course and Technology Infusion workshop (six-week Fulbright Senior Speaker Assignment to Escuela Politecnica Nacional). Quito, Ecuador. October-November 2006.
- Software Reliability: Technical Problems and Practical Considerations. Instituto Tecnologico Autonomo de Mexico, ITAM. Mexico DF. August 2007.
- Statistical Education of Engineering Professionals. CINVESTAV, IPN. Mexico City. February 2008.
- Design of Experiments in Environmental Studies. 50<sup>th</sup> Anniversary of ESPOL. Guayaquil, Ecuador (2008).
- Impacto de la Labor Social del Proyecto Juarez Lincoln Marti en Iberoamerica. Congreso Con Cuba en la Distancia. Valencia, Espana. Noviembre del 2008.
- Seminario Pre-Encuentro de Educación Estadistica. Universidad Veracruzana. Mexico. Julio, 2009.
- Curso corto de Diseno de Experimentos. Congreso Internacional de Biometria. Veracruz, MX. (IX/09)
- Design of Experiments in Environmental Studies. Univ. Federal Bahia, Salvador. Brasil. (IX/09)
- Un Instituto para el Estudio de la Calidad y Confiabilidad. Universidad de La Coruna, Espana (XI/09)
- Diseno de Experimentos en Problemas Medioambientales. Universidad de La Coruna, Espana (XI/09)
- Governmental, Professional and Research Organizations, in the Post Graduate Education of Applied Statisticians. Joint Statistical Meetings /ASA. Vancouver, CA. August 2010.
- Developing a Quality & Reliability Institute. Univ. Federal Bahia, Salvador. Brasil. November 2010.
- La Masoneria Cubana, la Sociedad Civil y la Apertura. Simposio sobre las Masonerías Latinoamericanas y del Caribe. Instituto de Historia, UNAM. Ciudad de Mexico. Diciembre del 2010.
- Demographic Study of Cuban Freemasons. International Conference on American and Latin American Freemasonry, UCLA, Los Angeles CA. December 2012.
- El Proyecto Juárez Lincoln Martí. Universidad Nacional Mayor de San Marcos. Lima, Peru. Abril de 2013.
- International Seminar on Quality. SUNY Global Center. NYC. March 2012,
- International Seminar on Quality. SUNY Global Center. NYC. March 2014.
- International Seminar on Quality. SUNY BCC. Binghamton NY. August 2014.
- Yearly International Seminars on Quality. SUNY Global Center. NYC. 2014-Present.

# **AWARDS AND HONORS:**

- Invited Speaker, Int'l Forum on Applied Statistics. Universidad Veracruzana, MX. May 2023
- Invited Speaker, UCLA Int'l Conference on American Freemasonry. Los Angeles. December 2011.
- Guest Editor, Journal of Combinatorics, Information and System Sciences. Vol.36, No. 1-4, 2011
- Guest Editor, Revista Colombiana de Estadistica. Special Issue on Industrial Statistics. Summer 2011.
- Saaty Award for best Applied Statistics paper published in AJMMS in 1997 & 2007
- Air Force (AFOSR) Summer Research Assoc; Design of Experiments. Rome Lab, NY (2007 & 2008)
- Senior Speaker Specialist to Escuela Politecnica Nacional. Quito, Ecuador. October & November 2006.
- Senior Member, Certified Quality and Certified Reliability Eng. American Society for Quality. June 2005.
- Senior Speaker Specialist to Universidad Catolica, Santo Domingo, Dom. Republic. August/December 2004.

- American Statistical Association (\$1000) Travel Award to Present Paper at ISI, Germany. August 2003.
- Senior Speaker Specialist to Universidad Veracruzana, Xalapa, Mexico. Summer of 2003.
- Engineering Development Award; Mohawk Valley Engineering. Exec. Council (2002)
- Inducted into the Fulbright Senior Speaker Specialist Roster Program (2001)
- US Department of State "Senior Specialist Speaker" Grant to Mexico (2000).
- Emeritus (retired) Associate Professor, SUNY Cortland (1998).
- Inducted into the Sigma Xi Research Society (1997).
- Elected into the SUNY-Cortland Graduate Faculty Member (1995).
- Fulbright Senior Scholar to Inst. Tech. Auton. de Mex. ITAM, Mexico DF (1993-94).
- Elected Chartered Statistician Fellow, Royal Statistical Society (1993).
- Dr. Nuala McGann Drescher SUNY/UUP Award (1989-90 Full Year/Full Pay Leave)
- Elected Fellow of the Institute of Statisticians, UK. (1984).
- SUNY/UUP National and International Travel Awards: 1987 through 1998
- IITRI Commitment to Excellence Award (1983).
- Included in Who's Who in America; in the East; Among American Educators, PEN Club.

# PAST AND/OR PRESENT PROFESSIONAL AFFILIATIONS:

- The Royal Statistical Society, U.K. (Chartered Statistician Fellow)
- Institute of Statisticians, U.K. (Fellow)
- American Statistical Association. (Committee Member)
- American Society for Quality. (Senior Member; Past Regional Director, Region II)
- Centro de Estudios Historicos de la Masoneria Espanola (Member)
- Institute for Operations Research and Management Science
- Operations Research Society of America (Full Member)
- Sigma Xi Research Society (Member)
- International Association for Statistical Education (Member)
- Association of Cuban-American Educators. (Board Member)
- Association for the Study of the Cuban Economy (Board Member)
- Association of Cuban Engineers (Member)
- Association Mexicana de Estadistica (Member)
- Sociedad Galega para Promocion da Estatistica e da Investigacion Operativa (Member)
- P.E.N. Club International; Miami Chapter (Member)
- Circulo de Cultura Panamericana (Member)