

University Senate Chair Faculty Award Nomination Package for James J. Cochran, Ph.D.

Courses Taught & Overall Teaching Evaluation Rating for Courses Taught

The five courses I have taught in the past five years are:

- QA 233 (Basic Business Statistics)
- QA 525 (Quantitative Approaches for Business Decision Making)
- QA 622 (Advanced Business Statistics – Regression Analysis)
- QA 605 (Methods of Business Research – Design and Analysis of Experiments)
- QA 610 (Multivariate Statistics)

A summary of my evaluations for these courses is provided in the table below:

Course	Section	Quarter & Year	Initial Enrollment	Retention Rate	Class GPA	Mean Rating of Instructor
QA 605	001	Winter 2006	6	100%	3.50	4.00
QA 233	001	Spring 2006	49	84%	2.00	3.40
QA 610	001	Spring 2006	6	100%	3.60	3.83
QA 233	030	Summer 2006	21	91%	2.32	3.90
QA 233	001	Autumn 2006	71	76%	1.70	3.67
QA 622	001	Autumn 2006	7	100%	3.43	3.86
QA 233	001	Winter 2006	56	88%	2.18	3.59
QA 605	001	Winter 2006	6	83%	3.40	4.00
QA 233	001	Spring 2007	52	67%	2.43	3.68
QA 525	083	Spring 2007	5	80%	3.75	3.33
QA 233	030	Summer 2007	21	100%	2.60	3.70
QA 622	001	Autumn 2007	6	100%	3.50	4.00
QA 605	001	Winter 2007	6	100%	3.40	4.00
QA 233	001	Spring 2008	68	75%	1.88	3.47
QA 233	030	Summer 2008	14	100%	2.08	3.86
QA 622	001	Autumn 2008	10	100%	3.00	3.78
QA 605	001	Winter 2008	9	89%	3.38	3.89
QA 233	001	Spring 2009	59	81%	1.81	3.61
QA 233	002	Spring 2009	50	68%	2.32	3.63
QA 622	001	Autumn 2009	8	100%	3.38	3.75
QA 605	001	Winter 2009	8	100%	3.50	3.63
QA 233	001	Spring 2010	59	N/A	N/A	N/A
QA 233	002	Spring 2010	50	N/A	N/A	N/A

Typical retention rates for introductory undergraduate business statistics courses hover around 50%-60% at other universities; these courses are generally considered by undergraduate business students to be the most challenging courses in the curriculum (and LA Tech students are no different).

One of my reasons for pursuing a career in academia is my passion for teaching; I enjoy sharing my enthusiasm for quantitative methods (Statistics and Operations Research) with students. I do so through

- interactive class discussions designed to provoke deep consideration of course topics by students;
- creation, maintenance and utilization of a website that provides a wide array of support material for every course I teach:
 - viewable and downloadable copies of my PowerPoint presentations used in classroom discussions;
 - viewable and downloadable cases with downloadable data sets in Excel format;
 - general instructions for performing case analyses;
 - instructions on using Excel for basic statistics;
 - extensive (fifteen page) syllabi;
 - a document on common grammatical errors;
 - a document on problem solving techniques;
 - original practice problems and extensive solutions; and
 - hyperlinks to other helpful sites (on-line dictionaries, encyclopedias, Excel help sites, etc.).

I initially began supporting my courses through Virtual Classroom websites in 1997 and was one of the first college instructors to do so in a comprehensive and extensive manner. I have recently moved my support material to Blackboard to be in compliance with university policy.

- authorship of fact-based cases that I use in undergraduate courses to illustrate applications of quantitative methods - these require students to decide how to use course material to address real problems and encourage students to think creatively in considering real applications;
- development of active learning exercises including a popular classroom version of *Who Wants to be a Millionaire - The Classroom Edition* (INFORMS Transactions On Education, 2(1), <http://archive.ite.journal.informs.org/Vol1No3/Cochran/Cochran.php>), a short game that reinforces definitions, mechanics, and minor concepts while encouraging students to interact *with each other and with me*;
- several education workshops, tutorials, education related conference presentations, and publications;
- incorporation of my research results into undergraduate and graduate courses; and
- 2 terms (4 years) as President of the Institute for Operations Research & the Management Sciences' Education Forum (INFORM-ED).

In recognition of my status in the Statistics and Operations Research communities as a strong advocate for reform in quantitative

education, I was nominated in 2005 by Richard C. Larson (INFORMS President) to serve on the United States National Commission for Mathematics Instruction. I was a finalist in the 2006 INFORMS Case Writing Competition and was also awarded the 2008 INFORMS Prize for the Teaching of OR/MS Practice (<http://www.informs.org/Recognize-Excellence/Award-Recipients/James-J.-Cochran>).

The following is a representative sample of written comments from recent student evaluations:

- *Dr. Cochran is the best professor I have had at LA Tech. His class is interesting and keeps our attention very well. I love the “Who Wants to be a Millionaire” game. Dr. Cochran is one of the most helpful teachers I have seen when students go to him for help. Great job!!!*
- *Dr. Cochran is a wonderful teacher. Not only is he easy to talk to, but he really shows concern about his students learning the material presented. He is informative, expressive, and provides clear PowerPoint notes that are great and easy to follow. I hope I have more teachers like Dr. Cochran in the future.*
- *I really believe Dr. Cochran is one of the best teachers I have had at Tech. I was real scared coming into this class but I have done great & truly believe it was because I had him. I heard that if you put all ‘A’s on the evaluation that they don’t consider it but I did because there wasn’t one area that he didn’t succeed in. I love the way he teaches & the web site is amazing & so helpful.*
- *Dr. Cochran really made QA 233 fun and interesting. I love the Who Wants to be a Millionaire® -Classroom Edition. I also like the fact that we can go to the QA 233 Virtual Classroom and get everything we need! Louisiana Tech needs to hang on to this wonderful professor.*
- *I have never had a better taught class. I think all instructors should sit in on this class and teach a class this way – the teacher made me think and learn the material the entire time!*
- *The instructor seems very interested, if not passionate, about the subject. His enthusiasm keeps students paying attention. The use of Who Wants to be a Millionaire was very creative. Other instructors should attempt to be as creative as Professor Cochran.*
- *I have never had a teacher so concerned that the students learn the material. An A+ job!*
- *Dr. Cochran is an excellent teacher. He turned a dreadful class into a terrific experience.*
- *Great job! This is one of the first classes that make me feel prepared to go out in the real world. The instructor makes us think outside of the textbook :->)*

The following quotes were taken from letters of support written by some of my former students:

Dr. Cochran’s sincere concern for students also showed in his time he spent during his office hours. I went to his office many times to get additional help. Dr. Cochran always showed a genuine concern for showing me exactly what it was I did not understand. He showed a great deal of patience when teaching. He is an extremely knowledgeable person, and teaching the same principles over and over never seemed to tire him. On the contrary, he genuinely seemed excited every time a student would ask questions about the material we were learning. Kimberly Ludwig, 2004-05 Student Government Association President, Louisiana Tech University

Dr. Cochran played an important role in helping me choose a career in Computer Information Systems. He was one of the few professors who seemed to care about me. Any time I had questions about the material, he would spend as much time as needed to make sure that I understood it. In the time that I have known Dr. Cochran, he has motivated me to strive for and achieve exceptionally high standards. He has also provided me with outstanding mentorship in the disciplines of studying, writing, and analysis. In many areas, both personally and professionally, Dr. Cochran has taught and encouraged me to meet challenges that I had never before thought possible. Sundeep Patel, Conversion Analyst, JP Morgan Chase

I have had a great many teachers in my life, but when I think back, I have absolutely no trouble identifying the most outstanding one, the one who had the biggest influence on me. Without question, it was Professor Cochran. Daniel A. Marks, Forecast Analyst, MeadWestvaco Corporation

Dr. Cochran’s innovative approach towards teaching, his love of problem solving, and his devotion to his students is unparalleled. Although I only took a single introductory course with him as an undergraduate, he continues to serve as a valuable mentor as I look to advance in my career and education. Thomas R. Dial, Software Engineer, Hyland Software, Inc.

Statement of My Beliefs on the Importance of Teaching, Research, and Service to the Mission of the University

The Louisiana Tech University mission statement explicitly expresses that "Louisiana Tech maintains as its highest priority the education and development of its students..." The Louisiana Tech University Mission Statement and the priority I place on undergraduate education reflect the common belief and convictions that:

- literate, thoughtful, analytic, articulate, and critical thinking citizens form the backbone of the US political and economic systems and account for the unprecedented success of our state and nation;
- our state's and nation's continued growth and success (and Louisiana's ultimate recovery from the devastation of hurricanes Katrina and Rita and the recent BP oil spill) depend heavily on strong undergraduate education; and
- the greatest potential improvement in the quality of one's life occurs as a result of her/his access to quality education.

Research is also vital to the continued growth of a university and is a principle component of a university’s contribution to society (its true stakeholder), and the Louisiana Tech University mission recognizes this. In my research I work on what I term, “applied theory,” i.e. I establish theory and methods to solve problems and resolve issues for which there are no existing theories and methodologies. Thus my research has concrete and immediate ramifications. This approach also enables me to incorporate my research into classroom discussions at all levels and include students in my ongoing research efforts. I have written classroom cases and developed class projects based many of my applied research projects, several of which require students to work toward answering important questions for:

- charitable organizations (such as the development of a statistical scoring method to help Habitat for Humanity assess the likelihood that individuals under consideration for new homes will fulfill their obligations to the organization) or
- economic development for municipal governments (such as the long term return to the local economy that results from bringing a new major league sports franchise to the area).

Through these efforts I am also able to integrate service into my teaching and research, and instill in my students an appreciation for service.

Selected List of Publications, Grants, and Similar Activities

Publications

Articles in Peer-Reviewed Journals

- The Impact of Split Bond Ratings on Accounting Research Results - Some Additional Evidence and Some Preliminary Insights, *Academy of Accounting and Financial Studies Journal*, forthcoming (with P. Tallapally, M. Luehlfing, and G. Johnson)
- Bayesian Coverage Optimization Models, *Journal of Combinatorial Optimization*, 19, 158-173, 2010 (with M. Levy and J. Camm)
- Pedagogy In Operations Research: Where Have We Been, Where Are We Now, And Where Should We Go? *ORiON*, 25(2), 2009
- All Of Britain Must Be Stoned! An Effective Introductory Probability Case, *INFORMS Transactions on Education*, 10(2), Jan 2009
- Finitizing Power Series Distributions, *Statistics and Probability Letters*, 79, 2009 (with S. Golnabi and M. Levy)
- Pythagoras and the National Hockey League, *Journal of Quantitative Analysis in Sports*, 5(2), 2009 (with R. Blackstock)
- A Commentary on *Polar Bear Population Forecasts: A Public-Policy Forecasting Audit*, *Interfaces*, 38(5), Sept-Oct 2008
- Operations Research and Sports: A Brief Overview, *StatOR*, 8(2), 2008
- The Optimal Value and Potential Alternatives of Bill James' Pythagorean Method of Baseball, *StatOR*, 8(2), 2008
- Editor-in-Chief Search Committee Report: The Digital Future is Here, *Marketing Science*, 27(1), Jan-Feb 2008 (with A. Rangaswamy, T. Erdem, J. Hauser, and R. Meyer)
- Selecting Stocks Using Genetic Algorithms: A Case of Real Estate Investment Trusts, *International Journal of the Computer, the Internet, and Management*, 15(2), May-Aug 2007 (with K. Lertwachara)
- An Event Study of Economic Impact of Professional Sport Teams on Local Incomes, *Journal of Sports Economics*, 8(3), June 2007 (with K. Lertwachara)
- On the Bankruptcy of Internet Companies: An Empirical Inquiry, *Journal of Business Research*, 59(10-11), Oct 2006 (with A. Darrat and K. Elkhal)
- Conjoint Optimization: An Exact Branch-and-Bound Algorithm for the Share-of-Choices Problem, *Management Science*, 52(3), March 2006 (with J. Camm, D. Curry, and S. Kannan)
- Can you Really Learn Basic Probability by Playing Sports Board Games? *The American Statistician*, 59(3), Aug 2005

Books

- *Statistics for Business and Economics*, 12e, Cengage Learning, forthcoming (with D. Anderson, D. Sweeney, T. Williams, and J. Camm)
- *Management Science*, 12e, Cengage Learning, forthcoming (with D. Anderson, D. Sweeney, T. Williams, and J. Camm)
- *Quantitative Methods for Business*, 12e, Cengage Learning, forthcoming (with J. Camm, M. Fry, and J. Ohlmann)
- *Essentials of Statistics for Business and Economics*, 7e, Cengage Learning, forthcoming (with J. Camm, M. Fry, and J. Ohlmann)

Edited Volumes

- *Encyclopedia of Operations Research and Management Science*, Vol 1-10, Wiley-Blackwell, 2011
- *Anthology of Statistics in Sports*, J. Albert, J. Bennett, and J. Cochran, Eds., SIAM Publishing, 2005
- *Anthology of Statistics in Sports II*, J. Albert, J. Bennett, and J. Cochran, Eds., SIAM Publishing, (in progress)
- *Anthology of Statistics in Operations Research*, J. Cochran, M. Fry, and J. Ohlmann, Eds., SIAM Publishing, (in progress)

Book Chapters

- Linear Programming, *Encyclopedia of Operations Research and the Management Sciences 1st ed.*, J. Cochran, Ed., 2010, Wiley
- Baseball and OR, *Encyclopedia of Operations Research and the Management Sciences 1st ed.*, J. Cochran, Ed., 2010, Wiley
- Introduction to Data Envelopment Analysis, *Encyclopedia of Operations Research and the Management Sciences 1st ed.*, J. Cochran, Ed., 2010, Wiley (with M. Gonzalez)
- Advances in Data Envelopment Analysis, *Encyclopedia of Operations Research and the Management Sciences 1st ed.*, J. Cochran, Ed., 2010, Wiley (with M. Gonzalez)
- Analysis of Covariance, *International Encyclopedia of Statistical Science 1st ed.*, M. Lovric, Ed., 2010, Springer-Verlag
- The Role of Statistics in Advancing Quantitative Education, *International Encyclopedia of Statistical Science 1st ed.*, M. Lovric, Ed., 2010, Springer-Verlag
- The Use of Sports in Teaching Statistics, chapter 2 of *Sociology of Sport: Syllabi and Teaching Resources Volume 5th ed.*, K. Longest, Ed., 2008 (reprint, with J. Albert)
- Active Learning for Quantitative Courses, chapter 9 of *TutORials*, Cole Smith Ed., INFORMS, 2005
- The Use of Sports in Teaching Statistics, chapter 2 of *Anthology of Statistics in Sports*, J. Albert, J. Bennett, and J. Cochran, Eds., SIAM Publishing, 2005 (with J. Albert)
- Introduction to the Baseball Articles, chapter 9 of *Anthology of Statistics in Sports*, J. Albert, J. Bennett, and J. Cochran, Eds., SIAM Publishing, 2005 (with J. Albert)

Grants

External

- NSF Travel Grant to attend 2009 ISI Sessions, Aug 2009 (\$2,000.00)
- Louisiana BOR Support Fund, Traditional Enhancement, "Information Assurance Mobile Laboratories," May 2009 (\$79,625.00)
- ALIO Developmental Grant, Jan 2008 (\$3,000.00)
- EURO Executive Board Grant, April 2007 (\$2,500.00)
- IFORS Executive Board Grant, 2007 - 2011 (\$5,000.00 annually)
- ORPA Developmental Grant, Jan 2006 (\$3,000.00)
- INFORMS Board of Directors Grant, 2007-2011 (\$5,000.00 annually)
- Louisiana BOR Travel Grant for Emerging Faculty, June 2006 (\$1,000.00)
- IFORS Executive Board Grant, March 2006 (\$3,000.00)

- ALIO Developmental Grant, Jan 2006 (\$3,000.00)
- INFORMS Board of Directors Grant, Nov 2005 (\$3,000.00)
- Louisiana BOR Travel Grant for Emerging Faculty, Nov 2005 (\$1,000.00)
- Louisiana BOR Travel Grant for Emerging Faculty, June 2005 (\$1,000.00)

Internal

- Summer Research Award, Louisiana Tech University CAB, June 2008 (\$6,427.00)
- Summer Research Award, Louisiana Tech University CAB, June 2007 (\$5,192.00)
- Summer Faculty Research Grant, Louisiana Tech University, Ruston LA, June 2007 (\$1,362.00)
- Summer Research Award, Louisiana Tech University CAB, June 2006 (\$6,786.60)
- Summer Faculty Research Grant, Louisiana Tech University, Ruston LA, June 2006 (\$1,600.00)
- Summer Research Award, Louisiana Tech University CAB, June 2005 (\$2,577.51)
- Summer Faculty Research Grant, Louisiana Tech University, Ruston LA, June 2005 (\$856.00)

Community/University Service Activities

Offices held in Humanitarian Organizations

- Co-Founder and Co-Director, Statisticians without Borders, 2008-present
- Director, Operational Research Practice in Africa (ORPA), North American branch, 2007-present
- Founding Chair, INFORMS/IFORS/EURO International Education Initiative 2005-Present

Consulting with Humanitarian Organizations

- UNESCO
- CARE
- Millennium Challenge Corporation
- Mexican National Institute of Public Health
- Engineers Without Borders
- Teach For America
- SciMetrika

Offices and Committee Memberships in Professional Organizations

- INFORMS Public Awareness Committee, 2009-present
- INFORMS Technology and E-Pubs Subcommittee of the Strategic Planning Committee, 2009
- INFORMS Prize for Teaching OR Practice 2009-10 (Chair, 2010)
- *Marketing Science* Editor-in-Chief Search Committee, 2007
- INFORMS Publications Committee, 2006-09
- INFORMS Diversity Committee, 2006-08
- *Mathematics in Operations Research* Editorial Review Committee, 2006
- ASA Council of Sections Fiscal Oversight Committee, 2006-08
- ASA Council of Sections Representative, 2005-07
- Vice President, INFORMS Junior Faculty Interest Group, 2005-07
- INFORMS' Katrina Relief Fund Drive, 2005 (Chair)
- International Statistics Institute Sports Statistics Committee, 2004-present
- Founding Chair, OR in SpORts section of INFORMS, 2004-08
- INFORMS Marketing Strategy Committee, 2001-2007 (Chair 2007)
- INFORMS Student Affairs Committee, 2001-present
- INFORMS Chapters/FORA Committee, 2001-2005
- INFORMS Combined Colloquia Committee, 2000-2008 (Founding Chair)
- INFORMS Case Competition Committee, 1999-2008 (Founding Chair, 1999-2000)
- INFORMS Education Committee, 1997-2005, 2007-08 (Chair 2008)

Conference and Symposium Organization

- Advisory Committee, 43rd Annual Conference of the Operations Research Society of India & International Conference on Operations Research for Urban and Rural Development, Madurai India, Dec 2010
- Scientific Committee, 3rd International Mathematics Association Conference on Mathematics in Sport, Salford, UK June 2010
- Co-Organizer & co-Chair, ALIO/INFORMS Teaching Effectiveness Colloquium, Joint Latin-Ibero-American Biannual Conference on Operations Research (XIV CLAIO)/INFORMS Conference, Buenos Aires Argentina, June 2010
- Organizing Committee, ORPA 5, Ouagadougou Burkina Faso, March 2010
- Program Committee, 9th International Conference on Operations Research, Havana Cuba, February 2010
- Organizer & Chair, 1st ICOR Teaching Colloquium, 9th International Conference on Operations Research, Havana Cuba, Feb 2010
- Advisory Committee, 8th Triennial Meeting of the Association of Asia-Pacific Operational Research Societies, Jaipur India, Dec 2009
- Organizer & Chair, 1st APORS/INFORMS/IFORS/EURO Joint Teaching Effectiveness Colloquium, 8th Triennial Meeting of the Association of Asia-Pacific Operational Research Societies, Jaipur India, Dec 2009
- Organizer & Chair, ORPA 4: Using Operations Research to Address Urban Transport and Water Resource Management Issues in Africa, Washington D.C, Oct 2008
- Organizer & Chair, 2nd ALIO/INFORMS/IFORS/EURO Joint Teaching Effectiveness Colloquium, 2008 Latin-Ibero-American Conference on Operations Research (XIV CLAIO), Cartagena de Indias Colombia, Sept 2008

- Scientific Committee, 2008 Joint Pre-Olympic Congress on Sports Science and Engineering, International Association of Computer Science in Sport, Nanjing China, Aug 2008
- Organizer & Chair, 1st ORPA/INFORMS/IFORS/EURO Joint Teaching Effectiveness Colloquium, 2007 Operations Research Practice in Africa (ORPA)/Operations Research Society of South Africa (ORSSA) Conference, Cape Town South Africa, Sept 2007
- Organizer & Chair, 1st ALIO/INFORMS/IFORS/EURO Joint Teaching Effectiveness Colloquium, 2006 Latin-Ibero-American Conference on Operations Research (XIII CLAIO), Montevideo Uruguay, Nov 2006
- General Chair, INFORMS National Meeting 2005, San Francisco CA, Nov 2005 (**I arranged for this conference to be held in New Orleans to i) aid the state economy and ii) increase awareness of the problems faced by the fragile wetlands ecosystem, but I had to find a new venue and move the conference in less than 10 weeks due to hurricane Katrina**)

Plenary Presentations, Keynote Presentations, & Workshops

- Operations Research – A Key to Unlocking Africa’s Great Potential, Operations Research Society of South Africa (ORSSA) Conference, Polokwane South Africa, Sept 2010
- You want them to Remember? Then Make it Memorable! 24th European Conference on Operational Research (EURO XXIV), Lisbon Portugal, July 2010
- Working on Problems Faced by Developing Nations: Stories from the Front Line, A EURO ORD Workshop on Operations Research for Developing Countries – Young Researchers and PhD Student Symposium, Lisbon Portugal, July 2010
- Some Epiphanies on OR Education, Joint Latin-Ibero-American Biannual Conference on Operations Research (XIV CLAIO)/INFORMS Conference, Buenos Aires Argentina, June 2010
- Active Learning: Engage Students, Improve Comprehension, and Increase Retention in the OR Classroom, INFORMS Deep South Regional Conference, Huntsville AL, April 2010
- Developing Cases for the Quantitative Classroom: Examples and Advice, 1st APORS/INFORMS/ IFORS/EURO Joint Teaching Effectiveness Colloquium, 8th Meeting of the Association of Asia-Pacific Operational Research Societies, Jaipur India, Dec 2009
- Fostering Effective Operations Research Education through Active Learning, 1st APORS/INFORMS/ IFORS/EURO Joint Teaching Effectiveness Colloquium, 8th Meeting of the Association of Asia-Pacific Operational Research Societies, Jaipur India, Dec 2009
- Opportunities at the Interface of Operations Research and Statistics with Applications to Economic and Social Development, 57th Session of the ISI, Durban South Africa, Aug 2009
- Fostering Effective Cooperative Cross-Cultural Efforts in Operations Research and Statistics through Undergraduate Education, the 5th International Operations Research of Eastern Africa Conference, Dar es Salaam Tanzania, July 2009
- Games and Operations Research: Putting Some Punch in your O.R. or Statistics Course, INFORMS Teaching Effectiveness Colloquium, Washington, D.C., Oct 2008
- Fostering Effective Cooperative Cross-Cultural Efforts in Operations Research and Statistics through Undergraduate Education, ORPA 2008 Conference, Washington D.C, Oct 2008
- Projects and Cases for Community Service-Based Education - Getting Students out of their Seats and into *the Bona Fide* Real World, Latin-Ibero-American Biannual Conference on Operations Research (XIV CLAIO), Cartagena de Indias Colombia, Sept 2008
- It’s a Nice Hobby, but... (A Transition from using Sports to Teach Statistics to using Statistics to Teach Sports), American Statistical Association Significant Contributor to Statistics in Sports Award Luncheon, Joint Statistical Meetings, Denver CO, Aug 2008
- Innovative Efforts and Initiatives in OR & Statistics Education, United States National Commission on Mathematical Instruction, NCTM annual conference, Salt Lake City UT, April 2008
- A Workshop on Revitalizing a College Course, INFORMS Teaching Effectiveness Colloquium, Seattle WA, Nov 2007
- Ennoblement through Mobilization: Establishing a Preeminent Societal Position for Operational Research, Operational Research Practice in Africa (ORPA)/Operational Research Society of South Africa (ORSSA) Conference, Cape Town South Africa, Sept 2007
- Using Active Learning to Engage Students in Applied Mathematics (Operations Research, Probability, and Statistics) and Demonstrate Basic Concepts in Algebra and Geometry, Teach for America 2007 Math-Science Content Seminar, New York NY, Aug 2007
- Confessions of an Optimistic Cynic: Using Active Learning to Increase Comprehension and Retention in the Quantitative Classroom, Latin-Ibero-American Biannual Conference on Operations Research (XIII CLAIO), Montevideo Uruguay, Nov 2006
- Clinic on Developing a New Course, INFORMS Teaching Effectiveness Colloquium, Pittsburgh PA, Nov 2006
- Statistics and Optimization: Their Illicit Relationship, the Operations Research Society of South Africa (ORSSA) Annual Conference, Pietermaritzburg South Africa, Sept 2006
- A Tutorial on Active Learning in the Quantitative Classroom, INFORMS National Meeting, SF CA, Nov 2005

Editorial Positions

- Editor-in-Chief, *Wiley Encyclopedia of Operations Research and Management Science*, John Wiley & Sons, Inc., 2007-present
- Editor-in-Chief, *INFORMS Transactions on Education*, 2007-present (Associate Editor and member of Advisory Board, 1999-2007)
- Functional Editor-Novel Applications, *Interfaces*, 2004-2009
- Member of Advisory Board, *The Open Statistics and Probability Journal*, 2007-present
- Associate Editor & member of Advisory Board, *Journal of the Chilean Institute of Operations Research*, 2007-present
- Member of Advisory Board, *ORiON*, 2007-present
- Associate Editor and member of Advisory Board, *INFORMS Case and Teaching Materials Collection*, 2003-2007
- Associate Editor, *International Journal of Sports Science and Engineering*, 2007-present
- Associate Editor and member of Editorial Board, *Operations Management Education Review*, 2003-2008
- Associate Editor and member of Advisory Board, *Journal of Quantitative Analysis in Sports*, 2005-present
- Founding Editor, The Education Corner column, *IFORS Newsletter*, 2005-2007
- Referee of manuscripts for twenty eight top peer reviewed journals in statistics and operations research.