

## Resume

Brian Peacock Ph D, PE, CPE

### Degrees and Certificates

PhD - Engineering Production - University of Birmingham  
B. Tech - Ergonomics & Cybernetics – Loughborough University  
MCSP - Physiotherapy - Leeds General Infirmary  
PE - Professional Engineer - State of Oklahoma  
CPE - Board of Certification in Professional Ergonomics  
Fellow of the Institute of Ergonomics and Human Factors (UK)  
Fellow of the Human Factors and Ergonomics Society (USA)  
Private pilot - FAA

### Employment

- 2011- Principal Consultant to Ergonomic Technologies Corp (ETC) Pacific Rim  
2011 – Present Adjunct Professor, National University of Singapore  
2009 – Present Brian Peacock Ergonomics (BPE) Pte. Ltd. Singapore  
2009 – Present Adjunct Professor, SIM University, Singapore  
2005 - 2009 Professor, Department of Safety Science, Embry Riddle Aeronautical University
- Human Factors, Ergonomics, System Safety, Computer Simulation classes
  - Aviation displays, performance with physical encumbrance, UAVs and ethics research
- 2000 – 2004 Discipline Coordinating Scientist for Space Human Factors Engineering, National Space Biomedical Research Institute, Baylor College of Medicine / NASA
- Space Human Factors science management
  - Development of Index of Habitability for space vehicles
  - Collaboration with biomechanics, usability, training and lighting laboratories
  - Science and Technology Working Group coordination
  - Conference and conference presentations coordination
- 1990 - 2000 Manager, General Motors Manufacturing Ergonomics Laboratory
1. Development and implementation of GM manufacturing ergonomics program
    - Extensive interaction with product and manufacturing engineering, management, the unions and plant personnel
  - Development and implementation of global common process for manufacturing ergonomics
    - Frequent visits to European vehicle design and manufacturing organizations
  - Part time assignment to GM Washington Office to develop partnerships with Government, Industry, and Academic Organizations with regard to manufacturing ergonomics
- 1988 - 1990 Program Manager, GM ACCESS Car, General Motors Corporation
- Coordinated activities of more than a hundred engineers, academics, students, human factors engineers and marketing specialists
  - Investigation of physical, cognitive and social requirements of elderly vehicle users
  - Development of (200+) vehicle features to satisfy user requirements
- 1986 - 1988 Manager, Product Human Factors, General Motors Corporation
- Managed Advanced Vehicle Engineering Human Factors Group
  - Collaboration with engineers, designers and marketing specialists on vehicle design
- 1981 - 1986 Associate Professor (Tenured), School of Industrial Engineering, University of Oklahoma
- Ergonomics, Human Factors, Biomechanics graduate and undergraduate classes
  - Space suit glove, oil well drilling instrumentation, office ergonomics, biomechanics applied research

- 1979 - 1981 Associate Professor, Physical Therapy and Physical Education, Dalhousie University, Nova Scotia, Canada
- Ergonomics, biomechanics and statistics classes
  - Shift work, biomechanics research
- 1979 Visiting Lecturer (Sabbatical Leave), Department of Operations Research, Monash University, Melbourne, Australia
- Statistics and Computer simulation
- 1974 - 1978 Senior Lecturer (Tenured), Department of Industrial Engineering, University of Hong Kong, Hong Kong
- Ergonomics, Human Factors, Statistics, Computer simulation
- 1968 - 1974 Senior Research Associate, Department of Engineering Production, University of Birmingham, Birmingham, England
- Operational memory, work physiology research
  - Statistics advisor to Royal College of General Practitioners

### **Continuing Education**

Computer Simulation (Alion Corporation)

Systems Engineering, HFES Annual Meeting

Software Systems Safety, NASA JSC

Advanced System Safety Practice, NASA JSC

Digital Human Modeling, EAI Inc.

Fault Tree Analysis, Boeing Corporation

Financial Accounting, Oakland University

Corvette Driving School, Mosport, Canada

Oil well Blowout Prevention, University of Oklahoma

Regular attendance at Human Factors, Industrial Engineering and Space Human Factors conferences

### **Graduate and Undergraduate Teaching**

1. Graduate Thesis Supervision
2. Intern supervision (GM, NASA)
3. Human Factors
4. Ergonomics
5. Biomechanics
6. Statistics
7. Case Studies in Human Factors and Safety
8. Systems Safety
9. Work Analysis and Design Engineering
10. Operations Research
11. Computer Simulation
12. Socio Technical Systems Engineering

### **Journal Articles**

1. (with E Diels and G Northam) "Moral development in Pilot Populations", International Journal of Applied Aviation Studies. Volume 9, No. 1, 2009
2. ADS-B Utility for Air Traffic Avoidance (with Avitabile, Northam and Tank), Journal of Air Transportation (2008) Sorenson Best Paper Award
3. (with Jen Gwo Chen and Hwa S Jung) "A Fuzzy Sets Modeling Approach for Ergonomic Workload Stress Analysis", International Journal of Industrial Ergonomics 13, 189 – 216, 1994
4. (with J. G. Chen and R. E. Schlegel) "An Observational Technique for Physical Work Stress Analysis", International Journal of Industrial Ergonomics, No.3 (1989)
5. (with R. Roe) "Human Factors in Vehicle Design" Journal of the American Society of Body Engineers Volume. 16 No. 2 (1988)

6. (with R. Glube, M. Miller, and P. Clune) "Police Officers Response to Eight and Twelve Hour Shift Schedules." *Ergonomics*, Volume 26, No. 5, pp. 479-493 (1983)
7. (with T. Westers, M. Enright, A. Thomas, C. Houlston) "Posture and Vital Capacity" *Physiotherapy Canada*, 23, 6, 337-340 (1982)
8. (with G. I. Turnbull and L. Ross) "Frequency Analysis of Commercially Available Vibrators." *Physiotherapy Canada*, 1982, 34, 1, 21-26, 1982
9. (with T. Westers, S. Walsh and K. Nicholson) "Feedback and Maximum Voluntary Contraction": *Ergonomics*, Volume. 24, No. 3, pp. 223-228, 1981
10. "The Physical Workload Involved in Parcel Handling": *Ergonomics*, Volume. 23, No. 4, pp. 417 – 424 (1981)
11. "How the Computer Can Help with Fixture Scheduling": *Outdoors*, Volume. 1, no. 4, pp.30-31 (1978)
12. "Ergonomics Aspects of Hong Kong Public Transport" *Hong Kong Engineer*, Volume. 6, No. 10, pp. 27-34, 1978
13. (with S. M. Bard) "Smoking and Drinking Habits of Hong Kong University Students - A Longitudinal Study": *Journal of Public Health*, Volume. 90, pp. 219-225 (1976)
14. (with R. J. F. H. Pinsent, P. Jankowiak, B. Steele and J. Hinsley) "Reported Morbidity and the Weather": *Journal of the Royal College of General Practitioners*, Volume. 25, pp. 247-251, 1975
15. "Audio Visual Aids in Health Education and the Social Services": *Video and Film Communication*, December pp. 16-18 (1974)
16. (with R.J.F.H. Pinsent) "A Medical Reconnaissance Service": *British Medical Journal*, pp. 129-230 (1974)
17. (with R. J. F. H. Pinsent) "Package Programmes for Operational Research in General Practice": *Journal of the Royal College of General Practitioners*, Volume. 23, pp. 433-445 (1973)
18. (with R. J. F. H. Pinsent) "Going to the Doctor": *Journal of the Royal College of General Practitioners*, Volume. 23, pp. 428-432 (1973)
19. (with R. J. F. H. Pinsent) "The Summary Card": *Journal of the Royal College of General Practitioner*, Volume. 23, pp. 413-427. (1973)
20. (with P. Davies) "A Method for the Investigation of Interpolated Information and Time Effects in Short Term Retention": *Ergonomics*, Volume. 15, no. 6, pp. 701-704 (1972)
21. (with M. D. Price) "Apparatus for the Investigation of Sensori-Motor Skills": *Ergonomics*, Volume. 15, no. 1, pp. 89-92, 1972
22. (with W. G. Koster) "The Influence of Intensity of Visual Stimuli on the Psychological Refractory Phase": *Acta Psychologica* Volume. 30, pp. 232-253 (1969)
23. (with N. S. Kirk, J. S. Ward, E. Asprey, and E. Baker) "Discrimination of Chair Seat Heights": *Ergonomics*, Volume. 12, no. 3, pp.403-414 (1969)
24. "A Myographic and Photographic Study of Walking with Crutches": *Physiotherapy*, pp. 264-268 (1966)

## Books

1. "The Laws and Rules of Ergonomics in Design" Collection of articles from EID (2009)
2. (with W Karwowski) "Automotive Ergonomics" Taylor and Francis (1993)
3. (with N. A. J. Hastings) "Statistical Distributions": Butterworths (1974)
  - 3.1. (with N. A. J. Hastings) "Statistical Distributions", Halsted (1978)
  - 3.2. (with N. A. J. Hastings) "Statistical Distributions," Russian Edition (1980)
  - 3.3. (with M Evans and N. A. J. Hastings) "Statistical Distributions, Wiley, Second Edition (1993)
  - 3.4. (with M Evans and N. A. J. Hastings) "Statistical Distributions, Wiley, Third Edition (2000)
  - 3.5. (with C Forbes, M Evans and N. A. J. Hastings) "Statistical Distributions, Wiley, Fourth Edition (2010)

## Book Chapters

1. Brian Peacock's Seventeen Steps of Soccer Training, Chapter 10 in *The Physics of Soccer*, Deji Badiru, iUniverse Press, 2010
2. Brian Peacock's Soccer Training Clinic, Chapter 9 in *The Physics of Soccer*, Deji Badiru, iUniverse Press, 2010
3. Habitability Measurement in Space Vehicles and Earth Analogs, Chapter 74 in Stanton et al *Handbook of Human Factors and Ergonomics Methods* CRC press, 2005
4. Measurement in Manufacturing Ergonomics, Chapter 8 in *Handbook of Human Factors Testing and Evaluation*, Charlton and O'Brien, Lawrence Erlbaum, 2002
5. Ergonomics Analysis of Sheet Metal Handling – Chapter 7 in *Digital Human Modeling for Vehicle and Workplace Design*, Chaffin, SAE, 2000
6. Worldwide Corporate Ergonomics Efforts – USA - Chapter 25 in “Ergonomics and Manufacturing”, Karwowski and Salvendy, SME 1998
7. "Job Redesign in the Bindery," pp. 155-160 in "Satisfactions in Work Design" R. G. Sell and P. Shipley (eds), Taylor and Francis, England (1979)
8. (with M. Whitworth) "Human Factors in Fiber Optic Endoscopy": Human Factors and Health Care, R. M. Picket and T. J. Triggs (eds), Chapter 8 (1975)

## Ergonomics in Design Articles

1. “Human Variability: Ergonomics *Raison d’etre* and Achilles Heel”, *Ergonomics in Design*
2. “The 6Us of Product Design”, *Ergonomics in Design*, Vol. 19, 2011
3. “Time for Bed: Shift work”, *Ergonomics in Design* Vol. 17, No 3, 2009
4. “Ethics and Ergonomics : Customer Satisfaction”, (with G Northam and E Diels), *Ergonomics in Design*, Vol. 16, No. 3, 2008
5. “Just a Moment”, *Ergonomics in Design* Vol. 15, No 3, 2007
6. “A Look Back: Ergo is more Difficult than Nomos”, *Ergonomics in Design*, Vol. 15, No 2, 2007
7. (with G Northam) “You’ve Got to Attend to Everything: Workload and Flying” *Ergonomics in Design*, Vol. 14, No. 4, 2006
8. (with M. Fogleman) “Boomer, Sooner and Donders” *Ergonomics in Design*, Vol. 14, No. 3, 2006
9. “Whose Agenda is it Anyway: Roberts Rules of Order,” *Ergonomics in Design*, Vol. 13, No 4, 2005
10. (with Laux, L) “Do Not Use This While Sleeping: The Role of Facilitators” *Ergonomics in Design*, Vol. 13, No 3, 2005
11. “Unwanted Energy: Vibration” *Ergonomics in Design*, Vol. 13, No. 2, 2005
12. “Remember Hawthorn”, *Ergonomics in Design*, Vol. 13, NO. 1, 2005
13. “Rule Based Ergonomics” *Ergonomics in Design* Vol. 12, No. 4, 2004
14. “Hotter than Houston: Body Temperature Control” *Ergonomics in Design*, Volume 12, No.3, 2004
15. (with Schlegel, R) “Expectancy and Compatibility” *Ergonomics in Design*, Volume 12, No. 2, 2004
16. “Newtonian Moments” *Ergonomics in Design*, Volume 12, No. 1, 2004
17. “Pay Attention”, *Ergonomics in Design*, Volume 11, No. 4, 2003
18. “Stand (Sit) up Straight: The Functional Anatomy of Posture”, *Ergonomics in Design* Volume 11, No 2, 2003
19. “What Kind of Shape are You In: Anthropometry and Appearances”, *Ergonomics in Design*, Volume 11, No. 1, 2003
20. “Bias in Human Judgment: Is Your Halo Slipping?” *Ergonomics in Design*, Vol. 10, No 4, 2002
21. "JNDs, SDs, HSDs, and DNDs: The Weber-Fechner Law", *Ergonomics in Design*, Volume 10, No 3, 2002
22. "Wrong Number: They Didn't Listen to Miller", *Ergonomics in Design*, Vol. 10, No.2, 2002
23. "Murphy's Law: If it Can Happen it Will", *Ergonomics in Design*, Vol. 10, No. 1, 2002
24. "Gas Happens: The Gas Laws", *Ergonomics in Design*, Vol.9. No. 4, 2001
25. “My Arms are Getting Tired: Rohmert’s Law”, *Ergonomics in Design*, Vol. 9, No.3, 2001
26. “The More I Practice the Better I Get: de Jong’s Law”, *Ergonomics in Design* Vol. 9, No. 2, 2001
27. "Tight Targets Take Time: Fitts Law” *Ergonomics in Design*, Vol. 9, No. 1, 2001

## Conference Presentations

1. "Automotive Ergonomics" National Taiwan University of Technology (March 2011)
2. "Ergonomics in Design" SEANES Conference, Cebu, Philippines (December 2010)
3. "Cognitive Task Analysis" APCHI-ERGO, Bali, Indonesia, 2010
4. "Simulation of Emergency Evacuation from Transport Category Aircraft" (with E Savage and W Waldo) SCSI Conference, Torrance, CA, February 2009.
5. "Analysis of a North American Monsoonal Surge Event and its relation to Hazardous Aviation Weather" (with Ivanova, Lackey, James and Sinclair) SAWSII FAA Aviation Weather Workshop, October 2008
6. Computer Simulation of Emergency Egress from Transport Category Aircraft" (with E. Savage and W. Waldo) UAA Research Conference, Denver, October 2008
7. "Ergonomics and Autism" (with G Peacock) Annual Human Factors and Ergonomics International Conference, Las Vegas, July 2008
8. "ADS-B and Flight Safety" (with G Northam) FAA / CGAR conference Anchorage, June 2008
9. "System Safety in Aviation" National Safety Council / ARTEX Conference, Prescott, February 2008
10. "The Grammar of Design," International Design Conference, Miami, January, 2008
11. System Safety and Unmanned Aerial Vehicles (with Northam), Conference on Safety across High Consequence Industries, St Louis University, March 2007
12. "Safety Issues in Pre Flight Inspection," (with N Lawrence) Conference on Safety in High Consequence Industries, St Louis
13. "The Case for an Aviation Weather Decision Aid," (with J. Smith)FAA, Southwest Aviation Weather Conference, Phoenix (2007)
14. "The Semantics of Human System Design," SAE International Conference on Environmental Systems, Denver, 2004
15. "Human Factors and Systems Engineering" Applied Ergonomics Conference, IIE, Orlando, Florida
16. "Time- The Ultimate Ergonomics Challenge" (with Kimbler and Bishu) Institute of Industrial Engineering Annual Conference (2004)
17. "Human Factors and Systems Engineering" Applied Ergonomics Conference, IIE, Orlando, Florida (2004)
18. "Habitability Measurement and Concept Mapping" (with A Schaffer and D Zelik) Habitation 2004, Orlando, Florida (2004)
19. A Discounting Model for Task Design, Applied Ergonomics Conference, IIE, Orlando, Florida, 2004
20. (with S Rajulu and J Maida) "EVA Performance Prediction" AIAA Conference, San Diego (2004)
21. "Boats, Trains, Cars and Space Vehicles: Human Factors and Systems Engineering", Plenary address and workshop at New Zealand Ergonomics Society Annual Conference, Wellington (2002)
22. "International Space Station Robotic Systems Operation: A Human Factors Perspective" (with N. Currie), HFES Annual Conference, Baltimore (2002)
23. "An Index of Habitability" (with J. Blume and S. Vallance) International Conference on Environmental Systems, Society of Automotive Engineers, San Antonio, (2002)
24. "A Checklist for Industrial Ergonomics Checklists," with G Orr, IIE, IVth IIE Annual Applied Ergonomics Conference, Orlando (2001)
25. "Return to work – moving from Physiotherapy to Ergonomics,"  
25.1.1. IEA / HFES Conference, San Diego (2000)
26. "EDAN – Ergonomics Decision Analysis" IIE 2nd Annual Applied Ergonomics Conference, Houston (1999)
27. "Anthropomorphic Modeling in Practice" with Heather Reed, IIE 2nd Annual Applied Ergonomics Conference, Houston (1999)
28. "Intelligent Assists – A New Generation of Ergonomics Tools" with Prasad Akella, IIE 2nd Annual Applied Ergonomics Conference, Houston (1999)
29. "The Ergonomics of Computer Drafting Workstations" With Robert Fox, IIE 2nd Annual Applied Ergonomics Conference, Houston (1999)
30. "The Frequency Factor in Manual Materials Handling" with Heather Reed and Ed Mohr, IIE 2nd Annual Applied Ergonomics Conference, Houston (1999)
31. "Intelligent Assist Devices" with Prasad Akella, Robotics Association Conference, Detroit (1999)

32. "Ergonomics in Small Lot Delivery Systems" (with R Fox), Konz/ Purswell Symposium, Texas Tech University (1995)
33. "Future Challenges in Automobile Ergonomics", International Body Engineering Conference, Detroit (1993)
34. "Future Challenges in Automobile Manufacturing Ergonomics", International Body Engineering Conference, Detroit (1993)
35. "An Index of Hilliness: No Records Set at Boston" (with M.A. Ritter and D. Horvath) American Statistical Association Annual Conference, San Francisco (1993)
36. "A Computer Assisted System for Physical Ergonomics Analysis", (with J. G. Chen and R. E. Schlegel) Computers in Industrial Engineering (1991)
37. "Tax Complexity: An Approach to Easier Form Design" (with B. Theisen and E. Peacock) National Conference of the American Accounting Association, Nashville
38. "Human Factors in the Automobile of the Near Future" (with W. Wierwille) Human Factors Society Bulletin Volume 32. Number 11(1989)
39. "An Overview of the Ergonomics Approach to Automobile Seat Design" (with A. Koby) Conference on Bio-compatible Seating, Michigan State University, East Lansing (1988)
40. "A Database Management System for Ergonomics Information Analysis," (with J. G. Chen and R. E. Schlegel) Trends in Ergonomics/Human Factors V, Elsevier (1988)
41. "Visual Assessment vs Statistical Goodness of Fit for Identifying Parent Population," (with M. Berry, B. Foote and L. Leemis) Human Factors Society Annual Conference, Los Angeles (1988)
42. "Human Factors Challenges in Automobile Design", Invited Panel Presentation at Human Factors Society Annual Conference, Los Angeles (1988)
43. "An Ergonomics Evaluation of Hand Tool Use in Automobile Assembly" (with R. Schlegel and R. Wilcoxon) Human Factors Society Annual Conference, Los Angeles (1988)
44. "Human Factors Concerns in the Driver / Vehicle / as the Year 2000 Approaches", (with W. Wierwille) FISITA International Conference, Detroit (1988)
45. "Computers in Cars" Conference on Human - Computer Interaction, (with A. Graesser) Hawaii (1987)
46. "Prototype Expert System for Physical Work Stress Analysis" (with J. G. Chen and R. E. Schlegel) Trends in Ergonomics/Human Factors IV (1987)
47. "EVA Suit Glove Design." (with F. Striz, R. Shambaugh and J. Hordinsky) Space Tech '85 Conference, Anaheim, California (1985)
48. "Structured Grading Software." (with Bryan D. Stewart) Human Factors Society Annual Conference, Baltimore (1985)
49. "Polar Coordinate Process Control Displays." (with R. E. Schlegel and T. Brace) International Ergonomics Society Conference, Bournemouth, England (1985)
50. "An Interactive Biomechanical Lifting Model," (with Chen Jen-Gwo) Mid Central Human Factors/Ergonomics Conference, West Lafayette, Indiana (1985)
51. "Sports Fixture Scheduling on a Microcomputer." (with Bryan D. Stewart) 7th Annual Conference on Computers in Industrial Engineering, Orlando, Florida (1985)
52. "Ergonomics" (with N. Parsi and R. E. Schlegel) GM Assembly Division, Central Office, Industrial Engineering Department (1983)
53. "Dynamic Drilling Displays," (with R. Schlegel and R. Dorman) presented to the Annual Human Factors Society Conference (1983)
54. "Critical Flicker Fusion and Grammatical Reasoning in the Evaluation of Shift Schedules." (with R. E. Schlegel) Proceedings of the International Ergonomics Association Conference, Tokyo (1982)
55. "The Feedback Classroom," Proceedings of the Annual Conference of the American Society for Engineering Education, Texas A&M University (1982)
56. "A Method for the Investigation of Short Term Memory": Proceedings of the International Symposium on Visual Information Processing and Control of Motor Activity, Sophia (1969)
57. "The use of Visual and Kinesthetic Information in Learning a Motor Skill": Research Project Report, Department of Ergonomics and Cybernetics, Loughborough University (1967)

## Technical Reports (mostly proprietary)

1. Ergonomics Framework , (with K C Tan and Y P Chui) Ministry of Manpower, Singapore, 2011
2. Evaluation of Synthetic Vision Systems for Controlled Flight into Terrain prevention – Honeywell (2006)
3. Human Factors Interface Issues in Unmanned Aerial System Design – NASA (2006)
4. Internal (NASA) reports on Human Factors in Space Operations (2000-2004)
  - 4.1. Space Human Factors Implementation Plan
  - 4.2. Science management
  - 4.3. First do no Harm – Facilitator Design
  - 4.4. Fatigue modeling
  - 4.5. Time management and crew scheduling
  - 4.6. Habitability measurement
  - 4.7. Human Factors Engineering integration
  - 4.8. Human reliability
  - 4.9. Human Factors Engineering training
  - 4.10. Plans for NSBRI role in Space Human Factors Engineering
  - 4.11. Graduate programs and student design competitions in space human factors engineering
5. An Alternative Ergonomics Standard, OSHA (1995)
6. Internal General Motors Reports (1986 – 2000)
  - 6.1. The Evaluation of Ergonomics Analysis Tools
  - 6.2. Requirements for Anthropomorphic Models
  - 6.3. Ergonomics Assessment of 3 Crew 2 Shift System
  - 6.4. Medical Management of Cumulative Trauma Disorders
  - 6.5. Ergonomics and Quality
  - 6.6. Walking in Manufacturing Operations
  - 6.7. Overhead Work
  - 6.8. Vertical Height issues in Manufacturing Operations
  - 6.9. The Requirements for Anthropomorphic Models
  - 6.10. Measurement in Manufacturing Ergonomics
  - 6.11. The Design of Ergonomics Investigations
  - 6.12. The Need for Physiological Recovery
  - 6.13. Target Size in Automobile Manufacturing and Assembly
  - 6.14. Energy Expenditure in Manufacturing Operations
  - 6.15. Ergonomics and Productivity
  - 6.16. Human Reliability
  - 6.17. The Economics of Ergonomics
  - 6.18. Human Force Capabilities and Limitations
  - 6.19. An Ergonomics Stress Strain Model
  - 6.20. Ergonomics for Executives and Engineers
  - 6.21. Postural Support Devices
  - 6.22. Statistical Methods
  - 6.23. The Access Car
  - 6.24. Unwanted Acceleration
  - 6.25. Human Factors Information Systems
  - 6.26. Vehicle Evaluation Process
  - 6.27. Automobile Seating
  - 6.28. Head Up Displays
  - 6.29. Controls and Displays Design
7. Evaluation & Recommendations Regarding Plant Ergonomics Program, General Motors Corporation - Oklahoma City Plant (1985)
8. Work Place Design and Information Flow, Oklahoma Disability Determination Services (1985)
9. EVA Suit Glove Design, NASA/ASEE, Student design competition (1985)

10. Analysis and redesign of DHS medical claims payments services, Department of Human Services, State of Oklahoma (1984)
11. Ergonomics Evaluation of Manual Materials Handling, Oklahoma Publishing Company (1984)
12. Ergonomics in Automobile Assembly, General Motors Corporation (1983)
13. Display and Code Design in a Liquefaction Plant, Energy Analysts, Inc. (1983)
14. Display Design for Drilling Instrumentation, TOTCO (1982)
15. Human Error in LNG Transport from Arctic Canada, Energy Analysts Inc. (1982)
16. Shift System Evaluation, Dartmouth (Nova Scotia) Police Department (1981)
17. Noise Induced Hearing Loss in Hong Kong Occupational Groups, Hong Kong University (1977)
18. (with Y. Nihei) "Technology, Employment Practices and Workers": Center for Asian Studies, University of Hong Kong (1979)
19. Transport for the Disabled, Hong Kong Social Services Department (1978)
20. Computer Aided Promotion System Design, Royal Hong Kong Police Force (1978)
21. Ergonomics Aspects of Mass Transit Railway Design, Hong Kong Mass Transit Authority (1978)
22. Health Trends & Their Impact on Telecommunications Services 1980 - 2000 AD, Department of Health and Security and the Post Office, England (1974)
23. Computer Analysis System for the R.C.G.P. Data Collection Sheet, Royal College of General Practitioners (1974)
24. Statistics and Data Processing Methods in Medicine, Royal College of General Practitioners (1974)
25. The Activities of General Practice Staff, Office of Health Economics, England (1973)
26. Information Retention in Manual Control, Science Research Council (1972)
27. Format Errors in the Use of Fast Random Enquiry Devices (Computers), West Midlands Gas Board, England (1972)

#### **Human Factors and Ergonomics Society Administrative Activities**

2005 – 2008	Member, HFES Executive Council
2004 – 2008	Chair HFES A. R. Lauer Award Committee
2003 – 2005	Member US / HFES review committee for ISO HF standards
2000 - 2003	Member, HFES Executive Council, HFES Standards Sub council
1999 – 2000	Member USTAG to ISO TC 159/SC3, Anthropometry and Biomechanics
1995 - Present	Associate Editor, Ergonomics in Design Journal
1994 - 1995	Chairman, Industrial Ergonomics Technical Group
1983 - Present	Reviewer, National and International Ergonomics / Human Factors Journal and Conference Submissions
1992 - 1995	Program Chairman SE Michigan Chapter of Human Factors and Ergonomics Society
1988 - 1989	Chairman, Industrial Ergonomics Technical Group
1986 - 1987	Convener and Program Chair, Sport and Recreation Interest Group

#### **Other Administrative Activities**

2010 – Present	Board of Directors and Chair of Compensation Committee, Jinhao Motors Ltd
2005 – Present	Board of Directors and Chair of Compensation Committee UNILAVA Ltd
2005 - 2008	ABET, Engineering Program Evaluator
2003 – 2005	Associate Editor, Habitation Journal
2003 – 2004	Member AIAA Life Sciences Committee
2002	Coordinator, NASA Space Human Factors Workshop, Houston
2001 - 2004	Coordinator, NASA Space Human Factors Science and Technology Working Group
1999 – 2000	External member of NASA Space Human Factors Working Group – an external organization set up to advise NASA on Human Factors research issues related to extended space explorations.



1999 – 2004 Reviewer, NASA grant submissions on Space Human Factors  
 1999 – 2000 Executive Vice President IIE South East Michigan Chapter  
 1999 – 2000 Member USTAG to ISO TC 159/SC3, Anthropometry and Biomechanics  
 1998 – 2000 Vice President, Board of Certification in Professional Ergonomics  
 1997 - 1998 Director, Board of Certification in Professional Ergonomics  
 1997 - 2001 Member, National Occupational Research Agenda (NORA) Committee on  
                   work related musculoskeletal disorders  
 1996 - 1998 Chairman, AAMA Ergonomics Committee  
 1994 - 1998 Organizing committee, AAMA / COT Annual Conference on Managing Ergonomics  
                   in the 90s  
 1994 - Present Examiner, Board of Certification in Professional Ergonomics  
 1994 – 1998 Editorial Board, Workplace Ergonomics Journal  
 1992 - Present Reviewer, National and International Ergonomics / Human Factors Journal and  
                   Conference Submissions  
 1991 - 1999 Ergonomics Committee, American Automobile Manufacturers Association  
 1990 - 1996 Chairman, Manufacturing Ergonomics Technical Committee General Motors  
                   Corporation  
 1991 - 1992 Director, Ergonomics Division, Institute of Industrial Engineers  
 1990 - 2000 Member, Human Factors Committee, National Research Council  
 1986 - 1991 Member, Controls & Displays Committee, Society of Automotive Engineers  
 1987 - 1991 Supervisor, University Research Projects on Automobile Design  
                   General Motors Corporation  
 1987 - 1991 Committee on Ergonomics Requirements for Automobile Manufacturing.  
                   General Motors Corporation  
 1987 - 1989 Chairman, Corporate Controls & Displays Technical Committee  
                   General Motors Corporation  
 1987 - 1989 Member, Corporate Human Factors Steering Committee  
                   General Motors Corporation  
 1988 Human Factors Coordinator  
                   FISITA/SAE  
 1985 - 1986 Faculty Appeals Committee, University of Oklahoma  
 1985 - 1986 Faculty Senate, University of Oklahoma  
 1985 - 1986 "Mathcounts" Coordinator, OSPE Canadian Valley Chapter  
 1984 - 1986 Committee on Promotion and Tenure, School of Industrial Engineering, University of  
                   Oklahoma  
 1983 - Present Technical reviewer for ergonomics and human factors journals and  
                   conference submissions  
 1983 - 1984 Vice President for Education, Chapter 57 American Institute of Industrial Engineers  
 1983 - 1985 Annual Symposium Coordinator, School of Industrial Engineering, University of  
                   Oklahoma  
 1983 - 1985 Computer Planning Committee, College of Engineering, University of Oklahoma  
 1979 - 1981 Graduate Program Coordinator, School of Physical Therapy, Dalhousie University  
 1980 - 1981 Tenure and Promotion Committee, Faculty of Health Professions, Dalhousie  
                   University  
 1977 - 1978 Captain of Cricket, University of Hong Kong  
 1976 - 1977 Executive Committee, Hong Kong Cricket Association  
 1977 - 1978 Chairman, Royal Society of Health, Hong Kong  
 1976 - 1978 Use of English Committee, University of Hong Kong  
 1974 - 1978 Graduate Committee, School of Industrial Engineering, University of Hong Kong  
 1970 - 1974 Convener, Midlands Area Ergonomics Meetings, University of Birmingham  
 1971 - 1973 Research Staff Representative on Faculty Council, Faculty of Science & Engineering,  
                   University of Birmingham  
 1964 - 1968 Executive Committee, Royce Hall, Loughborough University  
 1966 Captain of Cricket, Loughborough University  
 1966 - 1967 Chairman, Athletic Union, Loughborough University

## Other Appointments and Extended Consultancy

2006	Judge, International Competition in the Human Factors Aspects of Vehicle Design, IASCD, Giugiaro / Italdesign, Torino, Italy
1985	Ergonomics Consultant - Manufacturing ergonomics General Motors, Oklahoma City Plant
1983 - 1986	Industrial Engineering Consultant - Office ergonomics Oklahoma Department of Human Services
1982	Ergonomics Consultant - Equipment design TOTCO - Oil well Drilling Equipment Manufacturer
1980	Ergonomics Consultant - Shift system design Dartmouth Police Department, Nova Scotia
1976 - 1978	Industrial Engineering Consultant - Promotion systems Royal Hong Kong Police Services
1976 - 1978	Ergonomics Consultant - Passenger, driver, control room and environmental systems design Hong Kong Mass Transit Authority
1972 - 1974	Statistics and Data Processing Advisor Royal College of General Practitioners, UK

## Expert Witness Activities

1. Portable Soccer Goals (2009)
2. Health and Fitness Center Design – Training and Warnings (2005)
3. Retail Store Design – Shelving (2005)
4. Warnings on Consumer Products - Air Horns (2005)
5. Gear shifter design – Mechanical linkage and status display (1999)
6. Seat belt warnings – Passenger seat recline (1998)
7. Inadvertent Release of Seat Belts – Seat belt release mechanism (1986)
8. Retail Store Design – Steps (1985)
9. ATV Safety – Vehicle design, training, warnings (1985)
10. Hand tool design – Vibration (1986)
11. Crib safety – Anthropometry, warnings (1985)
12. Vehicle Tire Changing – Warnings (1985)
13. Biomechanics of Neck Exercise Equipment – Equipment design, training, warnings (1985)
14. Mobile Crane Hoist Control Mechanisms – Pedal design (1985)
15. Powered Garden Tool – Guarding, Warnings (1984)
16. Carpal Tunnel Syndrome – Data entry workplace and job design (1984)
17. Biomechanical Strength Testing – Fitness for work (1983)

## Recreation

1978 - Present	Running - Regular participation in local road races 78 Marathons (17 at Boston) National Senior Olympics
1950 - 1994	Soccer - University and Club Teams Player, Coach, Referee, Administrator
1958 - 1978	Cricket - University and Club Teams
1958 - 1964	Rugby - University and Club Teams
1958 – Present	Golf
1996 – 2004	Bee keeping
1996 – 2004	Vintage car maintenance
1990 – Present	Short story writing
2003 - Present	SCUBA
2006 – 2009	Flying

## **Family**

Wife Eileen Peacock PhD, CPA, CMA, Senior Vice President and Chief Officer (Asia - Pacific), AACSB International

Daughter Georgina Peacock Goebel MD, MPH, Developmental Disorders Specialist, Centers for Disease Control

Daughter Elizabeth Peacock Ambruzs PhD, Polar Bear Biologist, USGS, Alaska

Daughter Caroline Peacock MS, Graduate Student, The General Theological Seminary, New York

Son Thomas Peacock, Musician, Los Angeles