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Adjunct Professor

University of Central Florida

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EDUCATION

Ph.D. Experimental Psychology, University of Rochester, NY, 1972.

Major: Sensation and Perception

Special Emphases: Engineering Psychology, Vestibular Functions

M.A. Experimental Psychology, Fordham University, New York, NY, 1959

Post-Baccalaureate in Experimental Psychology, Fordham University, New York, NY, 1957

B.A. English, Philosophy, Iona College, New Rochelle, NY, 1957

PROFESSIONAL BRIEF

Dr. Kennedy has more than 50 years of experience as a human factors professional. Twenty-two years were on active duty with the U.S. Navy and the past 30 years he has worked as a human factors scientist in industry. His publication list consists of >650 items, 2/3 of which appear in refereed and peer reviewed sources such as journal articles, book chapters, and final (grant, contract) reports. Currently, his scientific studies encompass development of computerized tests of human capability (vision, perception, cognition, psychomotor skill, posture and balance); effects of practice on information processing; disorientation and motion sickness; human-computer interaction and visual requirements for flight simulators and virtual reality devices; and human performance measurement. Stability and reliability of human performance over repeated measures has been the hallmark of the performance testing work which has been sponsored by DARPA, DoD (Army, Navy, Air Force), NASA, NSF, DOT (FAA and USCG), and NIH (NIAAA, NEI, NIA and NSC). The distribution of his unclassified work includes performance testing and human factors engineering (30%); motion sickness, disorientation, and vestibular functions (30%); vision and visual perception (25%); and selection, training, and training equipment (15%). He has produced book-length works in the areas of simulator sickness, temporal factors in visual displays, physiological measures of workload, and vestibular problems in diving. He is a self-styled bench worker and since leaving the Navy in 1981, he has managed and technically directed more than 60 projects with aggregate budgets of > \$20M. Presently, he is President of RSK Assessments, Inc. He teaches in the Human Factors program of the Psychology Department at the University of Central Florida. He also consults with attorneys in human factors fields related to vehicular accidents, trips and falls, vision and visual perception, alcohol effects on human performance, reaction time and related matters. He has been contractor and contractee and takes pride in having been able to apply his laboratory results to operational settings and circumstances. He is co-author of a section of a military standard and a field manual for avoiding simulator sickness.

SPECIAL QUALIFICATIONS

Designated Aerospace Experimental Psychologist - U.S. Navy
>2,000 hours in 30 different military aircraft.
>3,000 hours in human centrifuge.

CERTIFICATIONS & COMMITTEES

Certified Professional Ergonomist - Board of Certification in Professional Ergonomics, Certification #201 - 15 Dec 1993
Committee Member, International Council on Alcohol, Drugs and Traffic Safety - 1993
Member, Southern Building Code Congress International, Member #27483 - 1995
Aerospace Human Factors Committee - Aerospace Medical Association - 1995-96
Referee for Research Grants for the Hong Kong Research Grants Council (RGC) – 1996, 1999, 2006
Committee Member, Institutional Review Board (IRB), University of Central Florida, 1999-2008
Reviewer for U.S. Government- NIH 2006-2007, NSF 2008
Hong Kong, 2015

AWARDS/DIRECTORY LISTINGS

Franklin Taylor Award, APA Div 21 - 1996
Aerospace Medical Assoc. Raymond F. Longacre Award - 1993
U.S. Navy Commendation Medal - 1971
Established “CDR Roberts S Kennedy Award for Scientific Achievement” at annual meeting of USNAVY Aerospace Psychologists
Various Directory Listings (Who’s Who in Science & Engineering, American Men of Science, Leaders in American Science, etc., 1964-1997)

PROFESSIONAL SOCIETY AFFILIATIONS

Fellow:

Aerospace Medical Association – 1960-present
Aerospace Human Factors Association – 1990; President 1999-2000
Executive Committee - 1991
American Psychological Association – 1962-Present
Military Division (19)
Applied Experimental and Engineering Division (21), President 1989-90
Association for Psychological Science – 1988-Present (formerly the American Psychological Society)
The Institute of Ergonomics and Human Factors – 1990-Present

Member:

American Association for the Advancement of Science - 1963-2010
US Naval Institute - 1965-2010
Human Factors & Ergonomics Society – 1966-Present
Visual Performance Technical Group - current
Individual Differences Technical Group - current
Forensics Professional Group - current
New York Academy of Sciences – 1973-2010
Psychonomic Society – 1978-2012
Society of Automotive Engineers – 1982-2010
Behavioral Toxicology Society – 1985-2007
American Society of Safety Engineers – 1987-2009
Illuminating Engineering Society - 1991-2010
American Institute of Aeronautics and Astronautics, Inc. - 1994-1999
The Society for Human Performance in Extreme Environments – 1996-2010
Neurobehavioral Teratology Society - 1989-2010

EMPLOYMENT

- CURRENT
1. RSK ASSESSMENTS, INC., Orlando, FL, President (1998-Present) [RSK Assessments, Inc. acquired the personnel and laboratory spaces of Star Mountain's Human Factors work in 1998]
 2. University of Central Florida, Adjunct Professor, Psychology Department (1987-Present)
 3. Robert S. Kennedy, PhD, CPE, LLC (2006-Present)

PREVIOUS POSITIONS

- 1997- 1998 STAR MOUNTAIN, INC., Orlando, FL [Headquarters in Alexandria, VA] Head, Human Performance Sciences [Star Mountain acquired the Essex Orlando Facility in 1997]
- 1981-1997 ESSEX CORPORATION, Systems Effectiveness Division, Orlando, FL [Headquarters in Columbia, MD]
Vice President (1987-1997)
Head, Human Performance Science Laboratory, Orlando (1981-1997) formerly Canyon Research Group, Inc. (1981-1984)
- 1959-1981 U.S. NAVY, CDR, USN (Ret.), Aerospace Experimental Psychologist
- Aug 1979 - Head, Human Performance Sciences Department,
Jan 1981 Naval Biodynamics Laboratory, New Orleans, LA
- Dec 1976 - Officer in Charge: Bioengineering Sciences Department, Naval
Aug 1979 Aerospace Medical Research Laboratory Detachment, New Orleans, LA
- Jan 1977 - Chief, Human Performance Sciences Division, Naval Aerospace
Aug 1979 Medical Research Laboratory Detachment, New Orleans, LA
- Oct 1976 - Head, Human Factors Division, Crew Systems Dept., Naval Air
Dec 1976 Development Center, Warminster, PA
- Jul 1972 - Head, Human Factors Engineering Branch, Naval Missile Center,
Oct 1976 Point Mugu, CA
- May 1970 - Head, Diver Evaluation Division and Departmental Officer,
Jul 1972 Behavioral Sciences Dept., Naval Medical Research Inst, Bethesda, MD
- Mar 1968 - Head, Aerospace Engineering Psychology Branch and Division
May 1970 Officer, Naval Aerospace Medical Institute, Pensacola, FL
- Jun 1965 - Post Graduate Training, Inservice active duty training,
Jul 1967 University of Rochester, Rochester, NY
- Oct 1959 - Research Psychologist - Aviation Psychology Division,
May 1965 Naval School of Aviation Medicine, Pensacola, FL

PAST CONSULTATIONS

- ALZA; American Institute for Biological Sciences; Battelle; Bolt, Beranek, & Newman; Carnegie Mellon Driver Training and Safety Institute; Crew Systems Ergonomics Information Analysis Center (CSERIAC); Design Interactive, Inc.; Disney; Enzian Corp; Glaxo Wellcome; Martin Marietta; Monterey Technologies, Inc.; Performance Metrics; Systems Technology, Inc.; Tokyo Electric Power; TRW National Advanced Driving Simulator; Universities Space Research Association.
- National Academy of Sciences/National Research Council; NASA/Johnson Space Center, NASA/Ames Research Center; U.S. Navy Medical Research and Development Command; Defense Simulation and Modeling Office.
- Expert Witness in Human Factors (Alabama, Alaska, Connecticut, Delaware, Florida, Georgia, Indiana, Kentucky, Louisiana, Massachusetts, Michigan, Mississippi, Montana, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Tennessee, Texas, Washington, DC); Canada – Ontario and Calgary.

TEACHING

University of Central Florida, Professor, Psychology Dept. 1987-Present

Graduate Courses Taught

- Human Factors I
- Human Factors III
- Human Performance
- Physiological Psychology
- Sensation and Perception

University of Southern California, Lecturer in Systems Management Department 1975-1976

Laverne College, Point Mugu, CA, Lecturer in Psychology, Graduate School 1973-1976

CONSULTING EDITOR

Accident Analysis and Prevention

Aviation, Space, and Environmental Medicine (Member, Editorial Advisory Board, 1991-1994);

Behavior Research Methods, Instruments, and Computers;

Cognitive Therapy and Research;

Ergonomics;

Human Factors;

Human Performance (Member, Editorial Advisory Board, 1997-1998);

International Journal of Human-Computer Interaction, 2000-Present

Journal of Experimental Psychology: General;

Journal of Experimental Psychology: Applied;

Journal of Medicine and Virtual Reality;

Military Psychology;

Pediatrics;

Perception and Psychophysics;

Perceptual and Motor Skills;

PLOS ONE;

Presence;

Psychological Reports;

Psychology & Marketing

PROSPECTIVE AND ACTIVE PROJECTS

- Mitigation of simulator sickness through galvanic vestibular stimulation. Joint project, Boeing Aircraft Company, Full Sail University, Mao Clinic Phoenix.
- Treatment of mTBI Balance Dysfunction. Engineering Acoustics, Inc. (Gary Zets)
- Indirect Vision Driving and Mitigation of Motion Sickness. Amy Research Institute. (Jessie Chen)
- The Handbook of Aerospace Psychology: Science in the Service of Aviation Excellence. Office of Naval Research. (Joseph Cohn)

COMPLETED PROJECTS (>\$20M since 1981) (Principal Investigator unless otherwise stated)

Spatial Awareness Training System (SPATS III Effort). Technical Advisor to SDS International under U.S. Navy, SBIR, 2008.

Human Information Processing and Practice Effects: A Multi-Modal Approach (QHIP). Subcontract to Design Interactive, Inc., Orlando, FL, for the Defense Advanced Research Projects Agency DARPA, Information Processing Technology Office (DARPA/IPTO), 2004.

Field-Practical Automated Battery for Assessment and Monitoring Cognitive Readiness. OSD, U.S. Army, Phase II SBIR, 2003.

Reducing Symptomatology of Space Adaptation Syndrome through Perceptual Training. NASA, AMES Research Center, Moffitt Field, CA, Phase II SBIR, 2002.

Human Performance Measurement Thresholds (PDA). Subcontract to Design Interactive, Inc., Orlando, FL, 2004.

Ship Motion Effects on Human Performance. Subcontract to Micro Analysis and Design, Orlando, FL, 2004.

Field Practical Automated Battery for Assessing and Monitoring Cognitive Readiness, Office of the Secretary of Defense, US Army, Aberdeen, MD, Phase I SBIR, 2002.

Motion and Sleep: Neuropsychology and Biomarkers. National Institutes of Health, National Institute on Deafness and Other Communication Disorders, Bethesda, MD, Phase I, 2002.

Questionnaire Development. Walt Disney Imagineering, Glendale, CA, 2002.

Reducing Symptomatology of Space Adaptation Syndrome through Perceptual Training. NASA, AMES Research Center, Moffitt Field, CA, Phase I SBIR, 2002.

Optokinetic Studies of the Relationship Between Vection and Cybersickness. Naval Air Warfare Center, Training Systems Division, Orlando, FL, BAA, 2001.

A Computerized Test Battery to Evaluate Workplace Stresses. National Science Foundation, Arlington, VA, Phase II Development, 2000.

A Trade-Off Model to Alleviate Cybersickness. National Institutes of Health, National Eye Institute, Bethesda, MD, Phase I SBIR, 2000.

An Automated Posture Test for Repeated Measures Assessment of VET Induced Aftereffects: Metric Properties, Sensitivity and Effects of Practice. Naval Air Warfare Center, Training Systems Division, Orlando, FL, BAA, 2000.

Perceptual Correlates of Rear-End Collisions and Age. National Institutes of Health, National Institute on Aging, Bethesda, MD, Phase II Development, 2000.

Development of a deployable helmet mounted display based virtual environment (VE) training device. Naval Air Warfare Center, Training Systems Division, Orlando, FL, Phase I SBIR, 1999.

Identification, Prioritization, and Mitigation of the Deleterious Effects of Acceleration and Motion Adaptation Syndrome and Sospite Syndrome. Naval Aero Medical Research Laboratory, Pensacola, FL, 1999.

National Advanced Driving Simulator (NADS), Phase II System Development. Subcontract to TRW, Fairfax, VA, 1999.

Virtual Reality Training: "Cybersickness" and Effects on Sensorimotor Functions. Consultant to NASA, Johnson Space Center, Houston, TX, 1999.

A Computerized Test Battery to Evaluate Workplace Stresses. National Science Foundation, Arlington, VA, Phase I SBIR, 1998.

A Portable Device for Dynamic Visual Acuity. National Science Foundation, Arlington, VA, Phase I SBIR, 1998.

Investigation of the Induction of the Visual Self-Motion in Virtual and Real Environments. Subcontract to the University of Central Florida, Orlando, FL, 1998.

Perceptual Correlates of Rear-End Collisions and Age. National Institutes of Health, National Institute on Aging, Bethesda, MD, Phase I SBIR, 1997.

Test Battery for Assessment of Alcohol-Induced Impairment. National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism, Bethesda, MD, Phase I SBIR, 1997.

Virtual Environment Adaptation Assessment Test Battery. NASA, Johnson Space Center, Houston, TX, Phase II SBIR, 1996.

Development of an Automated Management Information System to Provide Feedback and Optimize Usability/Functionality of Crewstation Simulators. TACOM, AMSTA-AQ-MCB, Warren, MI, Phase I SBIR, 1996.

Screening Users of Virtual Reality Systems for Aftereffects such as Motion Sickness and Balance Problems. National Science Foundation, Washington, DC, Phase I SBIR, 1996.

Human Factors Safety Testing for Virtual Environment Mission-operation Training. NASA, Johnson Space Center, Houston, TX, Phase I SBIR, 1995.

Virtual Environment Adaptation Assessment Test Battery. NASA, Johnson Space Center, Houston, TX, Phase I SBIR, 1995.

Indexing behavioral decrements by computerized assessment of stance. National Science Foundation, Washington, DC, Phase II SBIR, 1993.

Development of instruments to measure dark focus of accommodation and dark vergence. NASA Johnson Space Center, Houston, TX, Phase II SBIR, 1994.

Performance Readiness Evaluation System for Extended Duration Flights. NASA, Johnson Space Center, Houston, TX, Phase II SBIR, 1993.

A Smart System to Control Stimulation for Visually Induced Motion Sickness in Virtual Environments. NASA Johnson Space Center, Houston, TX, Phase II SBIR, 1993.

Simulator sickness in flight trainers. Naval Training Systems Center, Orlando, FL, 1994.

Development of a nonintrusive cognitive measurement device. Naval Air Warfare Center, Warminster, PA, Phase II SBIR, 1993.

Technology assessment and development of technical concepts in the Combined Arms Tactical Training (CATT) family. Simulation Training and Instrumentation Command (STRICOM), Orlando, FL, 1993.

A methodological approach to improving preflight adaptation training. NASA Johnson Space Center, Houston, TX, Phase I SBIR, 1992.

Simulating the impact of MPTS trade-off decisions by application of the isoperformance methodology. Naval Training Systems Center, Orlando, FL, 1992.

Cognitive and performance readiness of space crews. NASA Johnson Space Center, Houston, TX, Phase I SBIR, 1992.

Improving productivity by dose equivalency modeling. National Science Foundation, Washington, DC, Phase II SBIR, 1992.

Isoperformance as a framework for human systems integration. Brooks Air Force Base, TX, Phase II SBIR, 1992.

Perceptual speed, switching, and temporal acuity factors in cognition. National Science Foundation, Washington, DC, Phase II SBIR, 1992.

Development of a flight simulator visual system recording/evaluation device. Naval Air Systems Command, Washington, DC, Phase II SBIR, 1991.

Development of a portable dark focus instrument. NASA Johnson Space Center, Houston TX: Space and Life Sciences Procurement Branch, 1991.

Investigation and analysis of simulator sickness. Subcontract to EER, Vienna, VA, 1991.

Simulator Sickness. Office of Personnel Management, Washington, DC, Apr. 1991.

Improving productivity by dose equivalency modeling. National Science Foundation, Washington, DC, Phase I SBIR, 1991.

Development of a nonintrusive cognitive workload measurement device. Naval Air Development Center, Warminster, PA, Phase I SBIR, 1990.

Isoperformance: A model for evaluation of aviation simulation systems. Dept. of Transportation/ Transportation Sys. Ctr, Cambridge, MA, Phase I SBIR, 1990.

Transfer of perceptual adaptation to space sickness. NASA Johnson Space Center, Houston, TX, 1989.

Visual systems research, simulator sickness project. Martin Marietta Energy Systems, Inc., Oak Ridge, TN, 1987.

Performance reckoning for projecting manpower and skill level requirements. U.S. Army Research Institute, Alexandria, VA, Phase I SBIR, 1987.

Dark focus. Johnson Space Center, National Aeronautics and Space Administration, Houston, TX, Phase I SBIR, 1986.

A survey of vision tests. Army Medical Research & Development Command, Fort Rucker, AL, 1985-1986.

Space adaptation. Johnson Space Center, National Aeronautics and Space Administration, Houston, TX, 1985-1986.

Portable human assessment battery. National Science Foundation, Washington, DC, Phase II SBIR, 1985.

Isoperformance from disparate combinations of practice, selection, and equipment. Department of the Air Force, Wright-Patterson AFB, OH, Phase II SBIR, 1985.

Development of saccade length index of taskload (SLIT) for biocybernetic application. Air Force Office of Scientific Research, Bolling AFB, DC, Phase II SBIR, 1985.

Measurement and models of employment decision making, U.S. Army Research Institute, Alexandria, VA, Phase I SBIR, 1985.

Optimizing human performance in dynamic vehicle operator environments. Army Medical Research & Development Command, Fort Detrick, MD, Phase II SBIR, 1985.

Effects of practice on the Armed Services Vocational Aptitude Battery, Army Research Institute, Alexandria, VA, 1982-1983.

Simulator sickness: Reaction to a transformed perceptual world. Naval Training Systems Center, Orlando, FL, 1983.

A portable test battery to study changes in performance due to space adaptation syndrome and related pharmacological agents. Johnson Space Center, National Aeronautics & Space Administration, Houston, TX, 1983.

Consulting Scientist-Program Manager and Principal Investigator -

Visual Technology Research Simulator (VTRS). Technical support group at the Naval Training Equipment Center, Orlando, FL, 1981 - 1985.

Associate Investigator -

A comprehensive program to avoid human error in nuclear power plant maintenance tasks, Nuclear Power Research & Development Center, Tokyo Electric Power Co., Inc., Japan, 1991.

Visual Technology Research Simulator (VTRS), technical support group at the Naval Training Equipment Center, Orlando, FL, 1985 - 1989.

The use of a video game for selection of tank commanders, Army Research Institute Field Unit, Fort Knox, KY, 1982-84.

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BIBLIOGRAPHY (PUBLICATIONS)

A. Human Factors Engineering and Performance Assessment

Fatolitis, P. G., Jentsch, F. G., Hancock, P. A., Kennedy, R. S., & Bowers, C. (2010). *Initial validation of novel performance-based measures: Mental rotation and psychomotor ability* (NAMRL Monograph 10-52). Pensacola, FL: Naval Aerospace Medical Research Laboratory.

Johnston, M., Stanney, K., Hale, K., & Kennedy, R. S. (2010). A framework for improving situation awareness of the UAS operator through integration of tactile cues. *Proceedings of the 3rd International Conference of Applied Human Factors and Ergonomics*, Miami, FL.

Brill, J. C., Mouloua, M., Gilson, R. D., Rinalducci, E., & Kennedy, R. S. (2008). Effects of secondary loading task modality on attentional reserve capacity. *Proceedings of the 52nd Annual Meeting of the Human Factors and Ergonomics Society*, New York, NY.

Kennedy, R. S., Drexler, J. M., Jones, M. B., Compton, D. E., & Ordy, J. M. (2005). Quantifying human information processing (QHIP): Can practice effects alleviate bottlenecks? In D. K. McBride & D. Schmorow (Eds.), *Quantifying human information processing* (pp. 63-122). Lanham, MD: Lexington Books.

Kennedy, R. S., Mouloua, M., Compton, D. E., & Rosopa, P. (2005, February). *Field-practical automated battery for assessing and monitoring cognitive readiness* (Phase II Final Technical Report, Contract No. DAAD17-03-C-0096). Aberdeen Proving Grounds, MD: U.S. Army Research Laboratory.

Kennedy, R. S., Drexler, J. M., & Compton, D. E., (2004, July). Effects on human performance of very low frequency vibration (<1 Hz). In P.A. Hancock (Chair), *Modeling stress effects for performance prediction*. Symposium conducted at the Multi-Disciplinary University Research Initiative – Operator Performance Under Stress (MURI-OPUS) Workshop, Orlando, FL.

Kennedy, R. S., Drexler, J. M., Jones, M. B., Compton, D. E., & Ordy, J. M. (2004, October). *Quantifying human information processing (QHIP): Can practice effects alleviate bottlenecks?* (Final Report). Arlington, VA: Defense Advanced Research Projects Agency DARPA, Information Processing Technology Office (DARPA/IPTO).

Brill, J. C., Mouloua, M., Hancock, P. A., Gilson, R. D., & Kennedy, R. S. (2003). A protocol for assessing reserve cognitive capacity in complex systems. *Proceedings of the 6th International Conference on Naturalistic Decision Making*.

Brill, J. C., Mouloua, M., Hancock, P. A., Gilson, R. D., & Kennedy, R. S. (2003). Demonstrating a methodology for assessing cognitive capacities across sensory systems: M-SWAP. *Proceedings of the Human Factors and Ergonomics Society 47th Annual Meeting* (pp. 852-854). Santa Monica, CA: Human Factors and Ergonomics Society.

Hancock, P. A., Brill, J. C., Mouloua, M., Gilson, R. D., & Kennedy, R. S. (2003). M-SWAP: On-line workload assessment in aviation. In R. Jensen (Ed.), *Proceedings of the 12th International Symposium on Aviation Psychology*. Dayton, OH: The Wright State University.

Jones, M. B., Kennedy, R. S., & Kennedy, R. C. (2003). Criteria of performance tests for fitness-for-duty assessment. *Proceedings of the Human Factors and Ergonomics Society 47th Annual Meeting* (pp. 1962-1966). Santa Monica, CA: Human Factors and Ergonomics Society.

Kennedy, R. S. (2003, February). *A computerized test battery to evaluate workplace stresses* (Phase II Final Report, Grant No. DMI-0078467). Arlington, VA: National Science Foundation.

Kennedy, R. S. (2003) Automated Performance Testing. *Proceedings of the Cognitive, Psychophysiological, and Behavioral Monitoring for Military Field Applications workshop*. Covington, KY

Lafleur, J., Giron, M., Demarco, M., Kennedy, R., BeLue, R., & Shields, C. (2003). Cognitive effects of dexamethasone at high altitude. *Wilderness and Environmental Medicine*, 14, 20-23.

- Brill, J. C., Mouloua, M., Hancock, P. A., Gilson, R. D., Kennedy, R. S., & Smith, M. G. (2002). A multi-sensory protocol for evaluating workload associated with new army technologies. *Proceedings of the 23rd Annual Army Science Conference* [On-line]. Available: <http://www.asc2002.com/summaries/i/IP-12.pdf>
- Kennedy, R. S., von Sternberg, J. J., & Kennedy, R. C. (2002). Computerized workplace fitness assessment: Sensitivity vs. specificity. *Proceedings of the Human Factors and Ergonomics Society 46th Annual Meeting* (pp. 968-972). Santa Monica, CA: Human Factors and Ergonomics Society.
- Kennedy, R. S., von Sternberg, J. J., & Lane, N. E. (2002, June). *Field-practical automated battery for assessing and monitoring cognitive readiness* (Phase I Final Technical Report, Contract No. DAAD17-02-C-0031). Aberdeen Proving Grounds, MD: U.S. Army Research Laboratory.
- Bramble, W. J., Jr., Koonce, J. M., & Kennedy, R. S. (2000). The influence of a perceptual-motor training activity on the stability of PC-based cognitive test scores: A repeated measures paradigm. *Proceedings of the XIVth Triennial Congress of the International Ergonomics Association and 44th Annual Meeting of the Human Factors and Ergonomics Society* (pp. 3-133 – 3-136). Santa Monica, CA: Human Factors and Ergonomics Society.
- Kennedy, R. S., Compton, D. E., & Drexler, J. M. (2000). Application of a computerized battery of mental tests for driving and workplace safety. *Proceedings of the 15th International Conference on Alcohol, Drugs, and Traffic Safety (T 2000)* [On-line]. Available: http://www.vv.se/traf_sak/t2000/606.pdf
- Kennedy, R. S., Compton, D. E., Rugotzke, G. G., Jones, M. B., & Drexler, J. M. (1999, September). *A computerized test battery to evaluate workplace stresses* (Phase I Final Report, Grant No. DMI-9861127). Arlington, VA: National Science Foundation.
- Kennedy, R. S., Jones, M. B., Drexler, J. M., Compton, D. E., & Rugotzke, G. G. (1999). Comparison of two batteries for fitness-for-duty testing. *Proceedings of the Human Factors and Ergonomics Society 43rd Annual Meeting* (pp. 607-611). Santa Monica, CA: Human Factors and Ergonomics Society.
- Rugotzke, G. G., Kennedy, R. S., & Jones, M. B. (1999). Test battery for assessment of alcohol-induced impairment. *Proceedings of the American Academy of Forensic Sciences* (p. 283). Colorado Springs, CO: American Academy of Forensic Sciences.
- Jones, M. B., Kennedy, R. S., Rugotzke, G. G., Drexler, J. M., & Compton, D. E. (1998, July). *Test battery for assessment of alcohol-induced impairment* (Final Report, Grant No. 1 R43 AA11608-01). Bethesda, MD: National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism.
- Kennedy, R. S., Harm, D. L., Lane, N. E., & Turnage, J. J. (1997). Correlations of visual, motor, and cognitive performances with a simulated shuttle landing task [Abstract]. *Aviation, Space, and Environmental Medicine*, 68(7), 639.
- Kennedy, R. S., Lane, N. E., Turnage, J. J., & Harm, D. L. (1997). Individual differences in visual, motor and cognitive performances: Correlations with a simulated shuttle landing task. *Proceedings of the Human Factors and Ergonomics Society 41st Annual Meeting* (pp. 589-593). Santa Monica, CA: Human Factors and Ergonomics Society.
- Kennedy, R. S., Turnage, J. J., & Lane, N. E. (1997). Development of surrogate methodologies for operational performance measurement: Empirical studies. *Human Performance*, 10(3), 251-282.
- Jones, M. B., & Kennedy, R. S. (1996). Isoperformance curves in applied psychology. *Human Factors & Ergonomics*, 38(1), 167-182.
- Kennedy, R. S. (1996, February). *Analogy with alcohol and other effects*. Paper presented at The Role of Human Neurobehavioural Tests in Regulatory Activity on Chemicals Workshop, Egham, Surrey, UK.
- Kennedy, R. S., Drexler, J. M., Rugotzke, E. G., & Turnage, J. J. (1996). Application of multiple cut-offs for fitness for duty testing. *Proceedings of the Human Factors and Ergonomics Society's 40th Annual Meeting* (pp. 569-573). Santa Monica, CA: Human Factors and Ergonomics Society.
- Kennedy, R. S., Dunlap, W. P., Ritter, A. D., & Chavez, L. M. (1996). Comparison of a performance test battery implemented on different hardware and software: APTS versus DELTA. *Ergonomics*, 39(8), 1005-1016.
- Kennedy, R. S., & Ordy, J. M. (1996). Situation awareness: A cognitive neuroscience model based on specific neurobehavioral mechanisms. In D.J. Garland & M.R. Endsley (Eds.), *Experimental analysis and measurement of situation awareness* (pp. 49-56). Daytona Beach, FL: Embry-Riddle Aeronautical University Press.
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- Turnage, J. J., Kennedy, R. S., & Lane, N. E. (1996). Gender differences in human abilities: Can practice moderate results? *Journal of the Washington Academy of Sciences*, *84*(2), 111-129.
- Dunlap, W. P., & Kennedy, R. S. (1995). Testing for statistical power. *Ergonomics in Design*, *6-7*, 31.
- Jones, M. B., & Kennedy, R. S. (1995). *Isoperformance: A model for identifying human system integration problems in acquisition programs* (Final Report No. 2350-001). Brooks AFB, TX: Department of the Air Force.
- Jones, M. B., Kennedy, R. S., & Turnage, J. J. (1995). Performance tests and fitness for duty: Some strategic considerations. In A.C. Bittner & P.C. Champney (Eds.), *Advances in Industrial Ergonomics & Safety VII* (pp. 477-484). London: Taylor & Francis.
- Kennedy, R. S., Lanham, D. S., & Turnage, J. J., & Dunlap, W. P. (1995). Readiness for duty: Tuning false positives by simulation from empirical data. *Proceedings of the Human Factors and Ergonomics Society 39th Annual Meeting* (pp. 809-813). Santa Monica, CA: Human Factors and Ergonomics Society.
- Kennedy, R. S., Turnage, J. J., Dunlap, W. P., Chavez, L. M., Rugotzke, G. G., & Wilkes, R. E. (1995). *Improving productivity by dose equivalency modeling* (Final Report No. III-9122907). Arlington, VA: National Science Foundation.
- Kennedy, R. S., Turnage, J. J., & Lane, N. E. (1995). Development of surrogate measurement methodologies for workplace performance. In A.C. Bittner & P.C. Champney (Eds.), *Advances in Industrial Ergonomics & Safety VII* (pp. 485-492). London: Taylor & Francis.
- Kennedy, R. S., Turnage, J. J., & Lanham, D. S. (1995). Criteria for evaluating tests intended to assess driver fitness. In C.N. Kloeden & A.J. McLean (Eds.), *Proceedings of the 13th International Conference on Alcohol, Drugs, and Traffic Safety* (Vol. 2, pp. 660-666). Adelaide, Australia: The University of Adelaide, NHMRC Road Accident Research Unit.
- Jones, M. B., & Kennedy, R. S. (1994). Isoperformance curves in applied psychology [Abstract]. In *Minutes of the Thirty-Third Meeting, Department of Defense Human Factors Engineering Advisory Group* (p. I-3).
- Kennedy, R. S., Turnage, J. J., Rugotzke, G. G., & Dunlap, W. P. (1994). Indexing cognitive tests to alcohol dosage and comparison to standardized field sobriety tests. *Journal of Studies on Alcohol*, *55*(5), 615-628.
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E. Presentations Not Listed Under Publications and Manuscripts Under Review

- Kennedy, R.S., & Kennedy, R.C. (2014, December 19th). *Principle methodologies in measuring human performance*. Presented to the Panel for Resurrection of US Naval Biodynamics Laboratory (NBDL) data, Gray Robinson Offices, Orlando, FL.
- Kennedy, R.S., Kennedy, R.C., Kennedy, S.L., & Capo, A.T. (2011, September). *Long term aftereffects resulting from simulator and virtual reality exposure: A review of the literature*. Paper presented at The 3rd International Symposium on Visual Image Safety (VIMS), Las Vegas, NV.
- Hettinger, L., Kennedy, R.S., Stoffregen, T.A., & Capo, A.T. (2011, September). *Visually-induced motion sickness: Safety and liability issues*. Paper presented at The 3rd International Symposium on Visual Image Safety (VIMS), Las Vegas, NV.
- Taylor, L.C., Harm, D.L., Kennedy, R.S., & Reschke, M.F. (2011, September). *Cybersickness following repeated exposures to DOME and HMD Virtual environments*. Paper presented at The 3rd International Symposium on Visual Image Safety (VIMS), Las Vegas, NV.
- Harm, D.L., Taylor, L.C., Reschke, R.S., & Kennedy, R.S. (2011, September). *Impact of virtual environments on sensorimotor coordination and user safety*. Paper presented at The 3rd International Symposium on Visual Image Safety (VIMS), Las Vegas, NV.
- Kennedy, R.S., Laughery, K.R., & Thomson, D.S. (2008, September). *Challenges in forensics practice and ethics for expert witnesses*. Discussion Panel conducted at the 52nd Annual Meeting of the Human Factors and Ergonomics Society, September 23, New York, NY.
- Brill, J.C., Mouloua, M., Gilson, R.D., Rinalducci, E., & Kennedy, R.S. (2008, January). *Validating a Multi-Modal Secondary Loading Task: Detection Sensitivity and Reserve Capacity*. Poster accepted to the Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
- Kennedy, R. S. & Kennedy, R. C. (2007). *The past, present, and future of research in visually induced motion sickness*. Paper presented at the VIMS 2007 Conference, December 10, 2007.
- Kennedy, R. S., Compton, D. E., & Kennedy, R. C. (2007). *Effects of Very Low Frequency Vibration: The Problem of 0.2 Hz*. Paper presented at the System Safety/Systems Engineering Approaches Health Hazard Management Conference, August 14, 2007, Baltimore, MD.
- Kennedy, R. S. & Kennedy, R. C. (2007). *Motion and cyber-sickness*. Paper presented at United States Army Military Academy, March 22, 2007, West Point, NY.
- Kennedy, R. S. & Kennedy, R. C. (2007). *Some notes on human performance methodology*. Paper presented at the Assessment of Gravitoinertial Loads and Environments Workshop, October 17, Clear Lake, TX.
- Kennedy, R. C., Mouloua, M., Smither, J., Kennedy, R. S. & Drexler, J. M., (2005). *Adaptation to sensory rearrangement in simulated environments*. Poster presented at the meeting of the Southeastern Psychological Association, Nashville, TN.
- Kennedy, R. C., Kennedy, R. S., & Drexler, J. M. (2006, April). *Are motion sickness symptoms normally distributed? Evidence of the Pareto effect*. Paper accepted for presentation at the Human Performance at Sea: Influence of Ship Motions on Biomechanics and Fatigue Meeting, April 25-26, Panama City, FL.
- Kennedy, R. S. (2006, February). *Simulator and VR sickness*. Presented at the SAE G-10 Committee for Aerospace Behavioral Engineering Technology, Orlando, FL. (Slide presentation).
- Champney, R. Stanney, K. M., Hash, P., Malone, L., Kennedy, R. S. & Compton, D. (2005). *Recovery from virtual environment exposure: Expected time-course of symptoms and potential readaptation mechanisms*. Manuscript submitted for publication (*Human Factors*).
- Champney, R. K., Stanney, K. M., & Kennedy, R. S. (2005). *Physiological aftereffects and subjective VR immersion limits: The effects of age and state of health*. Paper accepted for presentation at the 1st Virtual Reality International Conference, July 22-27, Las Vegas, NV.
- Kennedy, R. S., & Drexler, J. M. (2005). *Development of a predictive model of visually-induced motion sickness to address the polygenic nature of simulator sickness*. Manuscript submitted for publication (*Displays*, Special Issue)
- Kennedy, R. S., French, J., Drexler, J. M., & Compton, D. E. (2005). *Effects of motion exposure on physiological, cognitive, and subjective measures of sickness and fatigue*. Paper accepted for presentation at the 1st Virtual Reality International Conference, July 22-27, Las Vegas, NV.
- Drexler, J. M., Kennedy, R. S., & Compton, D. E. (2004). *Comparison of sickness profiles from simulator and virtual environment devices: Implications of engineering features*. Paper accepted for presentation at the 2004 Driving Simulation Conference Europe "DSC 2004", September 8-10, Paris, France.
- Kennedy, R. S., & Drexler, J. M. (2004, December). *Are all forms of motion sickness created equally?* Seminar conducted at the Department of Industry Engineering and Engineering Management, Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong.

- Kennedy, R. S., & Drexler, J. M. (2004). *Assessment of motion sickness incidence and severity and sickness susceptibility prediction*. Paper presented at the International Organization for Standardization's (ISO) International Workshop on Image Safety, December 7-9, Tokyo, Japan.
- Kennedy, R. S., Rosopa, P. J., Kennedy, R. C., & Lanham, D. S. (2004). *Effects of blood alcohol concentration and hours of sleep loss on a battery of dynamic visual perception tests*. Paper presented at the 17th International Conference on Alcohol, Drugs and Traffic Safety (T2004), August 8-13, Glasgow, UK.
- Mouloua, M., Smither, J., Kennedy, R. C., & Compton, D. E. (2004). *Reducing symptomatology of visually-induced motion sickness through perceptual training*. Poster accepted for presentation at the Human Factors and Ergonomics Society 48th Annual Meeting, September 20-24, New Orleans, LA.
- Stanney, K. M., Graeber, D. A., & Kennedy, R. S. (2004). *Virtual environment usage protocols*. Manuscript submitted for publication in the "Handbook of standards and guidelines in ergonomics and human factors". Mahwah, NJ: Lawrence Erlbaum Associates, Inc.
- Brill, J. C., Mouloua, M., Hancock, P. A., Gilson, R. D., & Kennedy, R. S. (2003). *Assessing spare attentional capacity of drowsy drivers: Protocol development*. Paper presented at the 2nd International Symposium on Human Factors in Driver Assessment, Training, and Vehicle Design, July 21-24, Park City, UT.
- Brill, J. C., Mouloua, M., Hancock, P. A., Gilson, R. D., & Kennedy, R. S. (2003). *Multi-sensory workload assessment protocol (M-SWAP): Feasibility of incorporating demand scalability*. Paper presented at the Southeastern Psychological Association (SEPA) 49th Annual Meeting, March 26-29, New Orleans, LA.
- Dunlap, W. P., Kennedy, R. S., Ordy, J. M., Mead, A. M., & Compton, D. E. (2003). *Repeated measures of computerized dynamic posturography*. Manuscript submitted for publication (*Journal of Vestibular Research*).
- Kennedy, R. S., Stanney, K. M., Rolland, J., Mead, A. P., & Ordy, M. J. (2003). *Vection and motion sickness with different ecologically natural scenes*. Manuscript submitted for publication (*Human Factors*).
- Mouloua, M., Smither, J. A., & Kennedy, R. S. (2003). *The impact of perceptual training on the Space Adaptation Syndrome*. Paper presented at the Southeastern Psychological Association (SEPA) 49th Annual Meeting, March 26-29, New Orleans, LA.
- Smither, J. A., Mouloua, M., & Kennedy, R. S. (2003). *Reducing symptomatology of visually-induced motion sickness through perceptual training*. Manuscript submitted to *Aviation, Space, and Environmental Medicine* for publication. (In Review)
- Brill, J. C., Mouloua, M., Hancock, P. A., Kennedy, R. S., Gilson, R. D., & Smith, M. G. (2002). *A multi-sensory device and protocol for online workload assessment*. Poster presented at the 110th Annual Meeting of the American Psychological Association, August 22-25, Chicago, IL.
- Kennedy, R. S., & Compton, D. E. (2001). *Perceptual correlates of rear-end collisions age*. Presented at Evaluation of Promising Older Driver Licensing Systems, Stakeholders Meeting and Technology Expo, Orlando, FL.
- Kennedy, R. S. (2001). *Historical perspectives of disorientation under water*. Paper presented at the Defense Advanced Research Projects Agency (DARPA) Spatial Disorientation Workshop, 16-19 December, Rosalyn, VA.
- Guedry, F. E., & Kennedy, R. S. (1999). *Overview of Slow Rotation Room (SRR) studies*. Paper presented at the NASA Lyndon B. Johnson Space Center's Artificial Gravity Workshop, 14-15 January, League City, TX.
- Kennedy, R. S., Stanney, K. M., & Fernandez, E. (1999). *Six months residual after effects from a virtual reality entertainment system*. Manuscript in preparation.
- Kennedy, R. S. (1998). *Cybersickness and systems safety*. Paper presented at the System Safety Society, Florida Chapter Meeting, 18 November, Orlando, FL.
- Kennedy, R. S. (1998). *Dose equivalency studies using the Automated Performance Test System*. Paper presented at the Conference on Neurologic Assessment Protocols: Review of Current Studies to Determine Future Guidance, August 31 – September 2, San Antonio, TX.
- Kennedy, R. S., & Stanney, K. M. (1998, September). *Gaps in our knowledge about motion sickness and cybersickness*. Paper presented at the Motion Sickness, Simulator Sickness, Balance Disorders and Sopite Syndrome Conference, New Orleans, LA.
- Kennedy, R. S., Stanney, K. M., & Lawson, B. D. (1997, December). *Capability of virtual environments to meet military requirements*. Paper presented at the NATO Research Study Group 28 (RSG-28) Workshop "Capability of Virtual Reality to Meet Military Requirements", Orlando, FL.
- Kennedy, R.S., & Bourne, S.E. (1997, July). *SAS mitigation proposal*. Presented at the Working Group for the Design of the National Advanced Driving Simulator. TRW, Los Angeles, CA.

- Kennedy, R. S., Berbaum, K. S., & , P. J. (1996). Visual cue analysis of requirements of a US Coast Guard operational flight trainer using verbal protocols taken during helicopter flight. Essex, Orlando Technical Report #10. Final report to Enzian Technology for AAI/System Management, Ocoee, FL.
- Harm, D. L., Justiz, C. R., Kennedy, R. S., Lane, N. E., & Sandoz, G. R. (1996). *Metric properties of a simulated shuttle landing task: Applications for ground-based experiments*. Paper presented at the 2nd NASA/AIAA Life Sciences & Space Medicine Conference, March 5-7, Houston, TX.
- Kennedy, R. S., Turnage, J. J., & Lane, N. E. (1996). *Development of a quantitative methodology for operational performance measurement: Empirical studies*. Paper presented at the Industrial Engineering & Safety Conference, Zurich, Switzerland, July 8-11.
- Stanney, K. M., & Kennedy, R. S. (1996). *Human factors evaluation of virtual environments*. Paper presented at SouthCon '96, Orlando, FL, June 25-27.
- Jones, M. B., & Kennedy, R. S. (1995). *Validity of a newly developed battery of computerized, temporal-acuity tests*. Paper presented at the Computerized Behavioral Testing of Humans in Neurotoxicology Research Symposium, June 21-23, Portland, OR.
- Kennedy, R. S. (1995). *Control/display design considerations: Take-home messages from handbooks of control/display design facts*. Invited address, 25 January, 1995.
- Kennedy, R. S. (1995). *Virtual reality and cybersickness*. Presented at The Florida Space Coast Chapter of the Human Factors and Ergonomics Society, September 8, Cocoa Beach, FL.
- Kennedy, R. S., & Lanham, D. S. (1995). *Multiple cut-offs and other techniques to improve sensitivity and specificity in behavioral toxicological testing*. Paper presented at the Computerized Behavioral Testing of Humans in Neurotoxicology Research Symposium, June 21-23, Portland, OR.
- Kennedy, R. S., Massey, C. J., Lilienthal, M. G. (1995). *Incidences of fatigue and drowsiness reports from three dozen simulators: Relevance for the sopite syndrome*. Paper presented at the First Workshop on Simulation and Interaction in Virtual Environments (SIVE '95), July 13-15, Iowa City, IA.
- Kennedy, R. S., Turnage, J. J., & Jones, M. B. (1995, May). *Fitness for duty using multiple cut-offs to reduce false positives and retain sensitivity in computerized performance testing*. Paper presented at the 66th Annual Scientific Meeting of the Aerospace Medical Association, Anaheim, CA.
- Kennedy, R. S. (1994, Dec). *Measurement and control of motion sickness aftereffects from immersion in virtual reality*. Paper presented at the Post Conference Workshop 6, "A Discussion on Health and Safety for the Virtual Reality Industry", Sutton Parlor Center, New York.
- Kennedy, R. S. (1994). *The Concept of Surrogate Methodologies for Operational Performance Measurement*. Paper presented at the Personnel Testing Council of South Florida, Ft. Lauderdale.
- Kennedy, R. S., Drexler, J., & Robinson, J. (1994, November). *The relevance of motion effects on sustained operational performance: Sleep and vestibular pathways*. Presented at the Human Factors Technical Advisory Group Meeting, Orlando, FL.
- Rugotzke, G., & Kennedy, R. S. (1994, February). *Alcohol concentration curves of male and female subjects dosed before and after eating*. Poster presented at the 46th Meeting of the American Association of Forensic Sciences, San Antonio, Texas.
- Kennedy, R. S. (1993, May). *Application of simulator sickness findings to virtual reality systems*. Paper presented at the 64th Annual Scientific Meeting of the Aerospace Medical Associations, Toronto, Canada.
- Kennedy, R. S. (1993). *Illustration and application of two models relevant to alcohol, drugs, and driving: "Dose equivalency" and "surrogate."* Paper presented to the Committee on Alcohol, Other Drugs, and Transportation. Washington, DC: National Research Council/Transportation Research Board.
- Kennedy, R. S., Cornell, R. A., & Dunlap, W. P. (1993). *Performance changes measured over a series of transatlantic flights* [Abstract]. Presented at the 1993 SAFE Symposium, Las Vegas, NV, November 8-10.
- Kennedy, R. S., Berbaum, K. S., & Lilienthal, M. G. (1993). *Human postural disequilibrium occasioned by exposure to electronic visual displays: Virtual reality* [Abstract]. Paper presented at the Southern Society for Philosophy and Psychology, New Orleans, LA.
- Kennedy, R. S., Lane, N. E., & Turnage, J. J. (1993). *A data-based illustration of the use of surrogate measures for operational performance assessment* [Abstract]. Paper presented at the Aerospace Medical Association, Toronto, Canada.
- Rugotzke, G. G., & Kennedy, R. S. (1993). *Alcohol concentration curves of male subjects participating in a simulated "normal" drinking session*. Paper presented at the Annual Meeting of the American Academy of Forensic Sciences, Boston, MA.

- Rugotzke, G. G., & Kennedy, R. S. (1993). *Field sobriety test results in male subjects at various alcohol concentrations under varied dosing regimens*. Paper presented at the Annual Meeting of the American Academy of Forensic Sciences, Boston, MA.
- Kennedy, R. S. (1992, November). *Start with the criterion - again!*. Paper presented at the Department of Defense Human Factors Engineering Technical Group 29th Meeting, Huntsville, AL.
- Kennedy, R. S., May, J. G., Dunlap, W. P., Jones, M. B., & Smith, M. G. (1992, March). *An automated task load indexing system*. Paper presented at the Southcon/92 Meeting, Orlando, FL.
- Kennedy, R. S., Turnage, J. J., & Dunlap, W. P. (1992, November). *A dose equivalency strategy to index human performance degradation*. Paper presented at the 34th Annual Conference of the Military Testing Association, Del Mar, CA.
- Kennedy, R. S., Turnage, J. J., & Dunlap, W. P. (1992). *Alcohol as an indexing method for relating laboratory performance to operational aviation performance*. Paper presented at the SAFE Symposium, Las Vegas, NV.
- Kennedy, R. S., Turnage, J. J., & Dunlap, W. P. (1992). *Improving productivity by dose equivalency modeling*. Paper presented at the SAE Aerotech '92 Conference, Anaheim, CA.
- Lilienthal, M. G., Kennedy, R. S., & Jones, S. A. (1992, May). *Comparison of simulator sickness symptomatology in two fixed-wing and two rotary-wing simulators*. Paper presented at the Aerospace Medical Association Meeting, Miami, FL.
- Kennedy, R. S. (1991). *Symptoms of simulator sickness*. Paper presented at the Fourth Meeting of the NASA Steering Committee on Simulator Induced Schemes, March 12, Orlando, FL.
- Kennedy, R. S., Jones, S. A., & Lilienthal, M. G. (1991). *Aetiological significance of different symptom profiles of simulator sickness in two helicopter simulators* [Abstract]. Submitted to Aerospace Medical Association.
- Kennedy, R. S., Lilienthal, M. G., & Fowlkes, J. E. (1991). *What needs doing about simulator sickness?* Paper presented at the AIAA Flight Simulation Technologies Conference, New Orleans, LA.
- Rugotzke, G. G., Kennedy, R. S., & Wilkes, R. L. (1991). *Alcohol concentration, mental acuity, and field sobriety test results in male subjects*. Paper presented at the American Academy of Forensic Sciences, Anaheim, CA.
- Fowlkes, J. E., Kennedy, R. S., & Allgood, G. O. (1990). *Biomedical Evaluation and Systems-Engineering for Simulators (BESS)*. Paper presented at the International Training Equipment Conference and Exhibition (ITEC), Birmingham, England.
- Turnage, J. J., & Kennedy, R. S. (1990, October). *The detection of drug impairment in the workplace by a computerized performance test battery*. Paper presented at the Drug-Free Workplace Conference and Exposition, Washington, DC. (On tape)
- Turnage, J. J., Kennedy, R. S., & Jones, M. B. (1990, November). *Trading off performance, training, and equipment factors to achieve similar performance*. Paper presented at the 32nd Annual Conference of the Military Testing Association, Orange Beach, AL.
- Baltzley, D. R., Turnage, J. J., & Kennedy, R. S. (1989, February). *Using integration methodologies for systems acquisition in the 1990s: Applying isoperformance to trade-offs between personnel, training, and equipment*. Paper presented at the University of South Florida Industrial/Organizational Alumni Conference, Tampa, FL.
- Kennedy, R. S., Allgood, G. O., & Lilienthal, M. G. (1989, August). *Simulator sickness on the increase*. Paper presented at the AIAA Flight Simulation Technologies Conference, Boston, MA.
- Kennedy, R. S., Dunlap, W. P., & Kuntz, L. A. (1989). *Application of a portable automated performance test battery for the study of drugs and driving performance*. Paper presented at the Second International Symposium on Medicinal Drugs and Driving Performance.
- Kennedy, R. S., Wilkes, R. L., & Rugotzke, G. G. (1989). *Microbased performance testing and the quantification of the effects of toxic agents*. Paper presented at the 1989 Annual Meeting of the American Academy of Forensic Sciences, Las Vegas, NV.
- Rugotzke, G. G., & Kennedy, R. S. (1989). *Comparison of blood, serum, breath, and urine ethanol concentrations*. Paper presented at the American Academy of Forensic Sciences, Las Vegas, NV.
- Baltzley, D. R., Gower, D. W., Kennedy, R. S., & Lilienthal, M. G. (1988). *Delayed effects of simulator sickness: Incidence and implications*. Paper presented at the 59th Annual Scientific Meeting of the Aerospace Medical Association, New Orleans, LA.
- Kennedy, R. S. (1988, December). *Automated Performance Test System (APTS): A human Neurobehavioral test method*. Demonstration at the Third Annual Symposium on Methods in Occupational and Environmental Health, Department of Health and Human Services, Washington, DC.

- Kennedy, R. S., Allgood, G. O., & Fowlkes, J. E. (1988). *Very low frequency vibration in a motion base helicopter simulator compared to the simulated platform*. Paper presented at the Acoustical Society of America, Honolulu, Nov. 14-18.
- Kennedy, R. S., Turnage, J. J., & Lane, N. E. (1988, June). *Application of a portable microcomputer mental acuity battery for fitness-for-duty assessment in power plant operations*. Paper presented at the IEEE 4th Conference on Human Factors and Power Plants, Monterey, CA.
- Kennedy, R. S., Turnage, J. J., & Lane, N. E. (1988, June). *Assessment of fitness-for-duty in power plant operations by a portable microcomputer mental acuity battery*. Paper presented at the American Nuclear Society Annual Meeting, San Diego, CA.
- Lane, N. E., & Kennedy, R. S. (1988). *New methods for quantifying the severity and locus of simulator sickness*. Paper presented at the 59th Annual Scientific Meeting of the Aerospace Medical Association, New Orleans, LA.
- Wilkes, R. L., Kennedy, R. S., Gillum, F. E., Rugotzke, G. G., & Baltzley, D. R. (1988). *Preliminary findings regarding performance decrements as a function of blood alcohol level*. Paper presented at the Annual Meeting of the American Academy of Forensic Sciences, Colorado Springs, CO.
- Allgood, G. O., Kennedy, R. S., Van Hoy, B. W., Lilienthal, M. G., & Hooper, J. M. (1987, May). *The effects of very low frequency vibrations in simulator sickness*. Paper presented at the 58th Annual Science Meeting of the Aerospace Medical Association, Las Vegas, NV.
- Hettinger, L. J., Kennedy, R. S., & Berbaum, K. S. (1987, October). *Physiological indices of vestibular and oculomotor dysfunction*. Paper presented at the 29th Annual Conference of the Military Testing Association, Ottawa, Ontario, Canada.
- Hettinger, L. J., Kennedy, R. S., & Berbaum, K. S. (1987, April). *Tracing the etiology of simulator sickness*. Paper presented at the Annual Eastern Simulation Conference of the Society for Computer Simulation, Orlando, FL.
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