

CIRRICULUM VITAE

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Research Assistant Professor
Department of Occupational Therapy
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EDUCATION

- Doctor of Philosophy: University of Florida, 2005
 - Rehabilitation Science
- Master of Education: Florida Atlantic University, 2001
 - Major: Educational Technology
- Bachelor of Science: Florida International University, 1995
 - Occupational Therapy

CLINICAL AND ACADEMIC EXPERIENCE

- Research Assistant Professor, University of Florida, Department of Occupational Therapy, 2005-present
- National Older Driver Research and Training Center (NODRTC), University of Florida, Gainesville, FL: Project Co-Director and Research Coordinator, 2003-present
- University of Florida, Gainesville, FL: Graduate Research Assistant, 2002-2003
- North Broward Medical Center, Pompano Beach, FL: Occupational Therapist, 1996-2001

TEACHING EXPERIENCE

- Selected lectures for Adult and Senior combined courses OTH 5816, 6636, and 6642, University of Florida, Fall 2006
- Issues in Occupational Therapy I and II: Summer/Fall 2006
- Adjunct Faculty: Adult and Senior combined courses OTH 5816, 6636, and 6642, University of Florida; Spring 2005, Fall 2005
- Supervised Teaching: Occupational Therapy Foundations. University of Florida, Department of Occupational Therapy, Summer 2003
- Guest Lecturer: "Introduction to Evidence Based Practice". University of Florida, Department of Occupational Therapy, Distance Learning Program, May 2003
- Teaching Assistant: Assistive Technology and Occupational Performance. University of Florida, Department of Occupational Therapy, Distance Learning Program, Summer 2002

THESIS SUPERVISION

- Cristina Posse, Rehabilitation Science Doctoral Program, University of Florida, 2006-present: *The Impact of Driving Rehabilitation Specialist Feedback and Recommendations on Older Adults' Driving Performance*. Anticipated graduation: Spring 2008
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- Abbey Sipp, Masters in Health Science Program, University of Florida, 2006-2007. *Do older drivers with fewer annual miles have worse driving abilities?* Anticipated graduation: Spring 2007
- Judy Hamby, Masters in Occupational Therapy Distance Learning Program, University of Florida. *Infusing Adult Learning Techniques Into Occupational Therapy Practice*. Graduated: Spring 2006

EXTERNAL SUPPORT

Research Support, In Progress

Process and Outcomes Evaluation of Older Driver Screening Programs. Funded by the National Highway Traffic Safety Administration: \$225,000. January 2005 – March 2008. Role: Co-PI and Project Officer (PI: William C. Mann)

Parkinson's Disease and Driving. Funded by Shands Hospital: \$15,000. January 2006 – December 2006. Role: PI

Low Vision and the Effects on Driving Performance. Funded by Shands Hospital: \$15,000. January 2006 – December 2006. Role: PI

Research Support, Completed

Older Driver Infrastructure Research Project. Funded by the U.S. Department of Transportation, Federal Highway Administration: \$600,000, October, 2003- September 2005. Role: Project Co-Director and Research Coordinator (Project Director: Dr. William C. Mann).

Older Driver Research and Training Project. Funded by the Centers for Disease Control and Prevention: \$1,000,000, October, 2003- September 2005. Role: Project Co-Director and Research Coordinator (Project Director: Dr. William C. Mann).

Demonstration Project Support, Completed

Florida Senior Safety Resource Centers: University of Florida. Funded by Florida Department of Transportation, \$22,727 from June, 2005 to September, 2005; Role: Project Co-Director and Coordinator (Project Director: Dr. William C. Mann).

Florida Older Drivers Demonstration. Funded by Florida Department of Transportation, \$79,000 from May, 2003 to September, 2003; Role: Project Co-Director (Project Director: Dr. William C. Mann).

PUBLICATIONS

Articles in Refereed Journals

- Classen, S., Shechtman, O., Stephens, B., Davis, E., Justiss, M., Bendixen, R., Belchior, P., Sandhu, M., Posse, C., **McCarthy, D.**, & Mann, W. (2007). The impact of roadway intersection design on driving performance of young and senior adults. *Traffic Injury Prevention*. 8(1), 69-77.
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- **McCarthy, D.P.**, Mann, W.C. Sensitivity and Specificity of the American Medical Association's Assessment of Driving Related Skills (ADReS). *Topics in Geriatric Rehabilitation* 22(2).
- Posse, CA, **McCarthy, D.P.**, Mann, W.C. Pilot Study of Interrater Reliability of the Assessment of Driving-related Skills Older Driver Screening Tool. *Topics in Geriatric Rehabilitation*. 22(2).
- Eberhard, J., Stutts, J., Burkhardt, J., Finn, J., Hunt, L., Staplin, L., Molnar, L., Peters-Beumer, L., Dinh-Zarr, B., Carr, D., Trilling, D., & **McCarthy, D.** (2006). Strategies and Tools to Enable Safe Mobility for Older Adults. *Topics in Geriatric Rehabilitation*. 22(2).
- **McCarthy, D.P.** (2005). Approaches to improving elders' safe driving abilities. *Journal of Physical and Occupational Therapy in Geriatrics*. 23(2/3).
- Mann, W.C., **McCarthy, D.P.**, Wu, S.S., & Tomita, M. (2005). Relationship of health status, functional status, and psychosocial status to driving among elderly with disabilities. *Journal of Physical and Occupational Therapy in Geriatrics*. 23(2/3).
- Stephens, B., **McCarthy, D.P.**, Marsiske, M., Classen, S., Shechtman, O., & Justiss, M.D., Mann, W.C. (2005). Summary Report of the International Older Driver Consensus Conference. *Journal of Physical and Occupational Therapy in Geriatrics*. 23(2/3).
- Classen, S., Shechtman, O., Stephens, B., Davis, E., Bendixen, R., Belchior, P., Sandhu, M., Justiss, M., Posse, C., **McCarthy, D.**, & Mann, W. (2005). The impact of roadway intersection design on driving performance of young and senior adults. *Topics in Geriatric Rehabilitation*. 22(1)
- Shechtman, O., Classen, S., Stephens, B., Davis, E., Bendixen, R., Belchior, P., Sandhu, M., **McCarthy, D.**, & Mann, W. (2005). The impact of intersection design on simulated driving performance of young and senior adults: Preliminary results. *Topics in Geriatric Rehabilitation*. 22(1)

Book Chapter

McCarthy, D.P. (2005). "Elder Driving and Smart Cars" in W.C. Mann (Ed.) *Computing and Engineering for Aging, Disability and Independence*. Philadelphia: Wiley

PRESENTATIONS

- **McCarthy, D.** *Maintaining Elder Mobility: Driver Screening and Assessment, Interventions, and Driving Alternatives*. Accepted for presentation at the 2007 Joint Conference of American Society on Aging and the National Council on Aging, Chicago, March 2007
 - Classen, S., Shechtman, O; Stephens, B., Davis, E., Bendixen, R., Belchior, P., Sandhu, M., Justiss, M., Posse, C., **McCarthy, D.**, Mann, W. *The Impact of Roadway Intersection Design on Driving Performance of Young and Senior Adults*. Gerontological Society of America's 59th Annual Scientific Meeting Dallas, TX, November 16-23, 2006.
 - **McCarthy, D.** & Mann, W. *Sensitivity and Specificity of the Assessment of Driving Related Skills Screening Tool for Older Drivers*. The International Traffic Medicine Association Conference, Melbourne, Australia, October 2006
 - O. Shechtman, S. Classen, B. Stephens, E. Davis, R. Bendixen, P. Belchior, M. Sandhu, **D. McCarthy**, and W. Mann. *The impact of intersection design on simulated driving performance of young and senior adults*. 4th Annual STISIM Drive User Group Meeting: New Approaches to Simulation and the Older Operator, Boston, MA, October 27, 2006.
 - **McCarthy, D.** *Sensitivity and Specificity of the American Medical Association's Assessment of Driving-*
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Related Skills (ADReS). Joint Conference of The National Council on the Aging and the American Society on Aging, Anaheim, CA, March 2006

- **McCarthy, D., & Witte, M.** *Law Enforcement and the Older Driver: A Lack of Policies, Procedures, and Resources*. (Poster) International Conference on Aging, Disability and Independence, St. Petersburg, Florida, February 2006.
 - Posse, CA, **McCarthy, D.P.**, Mann, W.C. *Pilot Study of Interrater Reliability of the Assessment of Driving-related Skills Older Driver Screening Tool*. (Poster) International Conference on Aging, Disability and Independence, St. Petersburg, Florida, February 2006.
 - **McCarthy, D.** *Assessment of Older Drivers: Preliminary Results from the National Older Driver Research and Training Center*. 85th American Occupational Therapy Association. Long Beach, CA, May 2005.
 - **McCarthy, D.** *Tools and Resources for Older Driver Safety* (Exhibitor-Sponsored Seminar). 85th American Occupational Therapy Association. Long Beach, CA, May 2005. *National Older Driver Research and Training Center: Maintaining Community Independence*. Joint Conference of the American Society on Aging (ASA) and the National Conference on the Aging (NCOA), Philadelphia, April 2005
 - **McCarthy, D.** *Older Driver Research at the University of Florida*. Occupational Therapy Symposium on Community Mobility and Driving, Orlando, FL, December 2004
 - **McCarthy, D.** *Assistive Technology for the Safe Mobility of Elderly Persons* (Workshop). Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Annual Conference, Orlando, FL, June 2004.
 - **McCarthy, D.** (Keynote Speaker). *Older Driver Assessment: Report from the International Older Driver Consensus Conference*. Canadian Consensus Conference for Older Driver Safety. Edmonton, Canada, May 2004
 - **McCarthy, D.** *Report from the National Older Drivers Research and Training Center*. 84th American Occupational Therapy Association. Minneapolis, May 2004.
 - **McCarthy, D., Mann, W., Wu, S.S., & Tomita, M.** *The Relationship of Health Status, Functional Status, and Psychosocial Status to Driving Among Elderly with Disabilities* (Poster). Brooks Center for Rehabilitation Studies, Gainesville, FL, May 2004.
 - **McCarthy, D.** *Initial Findings from the National Older Drivers Research and Training Center*. 2004 Joint Conference of the American Society on Aging (ASA) and the National Conference on the Aging (NCOA), San Francisco, April 2004.
 - Panel Session Member: *The Santa Monica Crash: Strategies to Reduce Future Occurrences*. 2004 Joint Conference of the American Society on Aging (ASA) and the National Conference on the Aging (NCOA), San Francisco, April 2004.
 - **McCarthy, D., Mann, W., Wu, S.S., & Tomita, M.** *Health, Functional, and Psychosocial Status and Older Drivers*. International Conference on Aging, Disability and Independence (ICADI), Washington, D.C., December 2003
 - **McCarthy, D.** *The Seniors' Institute on Transportation and Communication (SITComm at the University of Florida)*. Brooks Center for Rehabilitation Studies, Jacksonville, FL, September 2003.
 - **McCarthy, D., Mann, W., Wu, S.S., & Tomita, M.** *The Relationship of Health Status, Functional Status, and Psychosocial Status to Driving Among Elderly with Disabilities*. Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Annual Conference, Atlanta, GA, June 2003.
 - **McCarthy, D.** *The University of Florida's National Older Driver Research Center Project*. Brooks Center for Rehabilitation Studies, Jacksonville, FL, April 2003.
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PROFESSIONAL ACTIVITIES

- Advisory Panel: Association of Occupational Therapists Working Group on Driving: Response to the Chief Coroner's Office of Ontario, Canada, 2006
- Advisory Panel: Palm Beach County Transportation Group, 2006 - Present
- Workshop Facilitator: Safe Driving for Seniors, Mobility Forum: Independence and Senior Mobility, Orlando, FL: June 2006
- Expert Panel: Self-Screening Instruments for Older Drivers. University of Michigan Transportation Research Institute, 2005
- Advisory Panel: Best Practices in Older Driver Safety, National Association of Area Agencies on Aging: 2004:
- Expert Panel, Older Driver Advisory Council, American Occupational Therapy Association: 2003-2005
- Expert Panel, Canadian Driving Research Initiative for Vehicular Safety in the Elderly, Edmonton, Canada, May 2004
- Expert Panel, International Older Driver Consensus Conference, Arlington, VA, 2003
- Expert Panel, American Medical Association Older Drivers Project, 2002-2003
- Member, Florida At-Risk Drivers Council, 2002-2003
- Expert Panel, American Occupational Therapy Association Older Driver Consensus Conference, Bethesda, MD, December 2002

EDITORIAL AND REVIEW ACTIVITIES

Grant Reviews

- AUTO21 Network of Centres of Excellence, University of Windsor, Ontario, Canada, October 2004
- National Association of Area Agencies on Aging, Washington, D.C., Older Driver Safety Project, October 2004

Journal Article Reviews

- *Journal of the American Geriatrics Society*, April 2003, May 2004, and September 2004
- *International Journal of Vehicle Information and Communication Systems*, January 2004

Other Editorial and Review Activities

- Reviewer: 2007 World Conference on Transportation Research
- Guest Editor: "Newsletter of the Network on Environments, Services and Technology for Maximizing Independence", American Society on Aging, Spring Edition, 2004
- Review Committee Member: Physician's Guide to Assessing and Counseling Older Drivers: American Medical Association, 2003

HONORS AND AWARDS

- Service Commendation: American Occupational Therapy Association, 2003-2005
 - Predoctoral Training Program Trainee: Institute on Aging, University of Florida, 2002-2004
 - Graduate Research Assistantship, Rehabilitation Science Doctoral Program, College of Public Health and Health Professions, University of Florida, 2002-2003
 - North Broward Medical Center Service Recognition Awards: 1999, 2000, 2001
 - Cum Laude, Florida, Florida International University, 1995
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- North Broward Medical Center Student Scholarship Award: 1994, 1995

PROFESSIONAL AFFILIATIONS

- American Occupational Therapy Association
 - American Society on Aging
 - The Gerontological Society of America
 - Transportation Research Board
 - Canadian Driving Research Initiative for Vehicular Safety in the Elderly (CanDRIVE)
 - International Traffic Medicine Association
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