

I-MAP Projects

Community Participation in Developing a Measure for Safe Older Driver Behaviors. With community participation we are developing and pilot testing a safe driving behaviors measure for older adults with potential for public health application. This project is funded by the National Institute on Aging.

Traumatic Brain Injury (TBI) and Driving Performance Issues. We investigate the driving performance of post-deployed military personnel members with TBI and other psychosocial conditions. This project is funded by the Malcom Randall Veteran's Administration Medical Center.

Personality Type and Driving Behaviors. We examine the relationship of psychological and personality variables to self perceptions of driving abilities in an aging population. The project is funded by the Center for Applications of Psychological Type, Inc.

Parkinson's Disease (PD) and Driving Performance. We are developing an efficient screening battery as a predictor of passing/failing an on-road assessment in people with idiopathic PD. This project is conducted in collaboration with the University of Florida's Movement Disorders Center.

Driving Behaviors and Deep Brain Stimulation (DBS). We investigate the self-reported driving behaviors in people with PD and solicit feedback on their driving behaviors from caregivers/family members, pre and post DBS. This project is conducted in collaboration with the University of Florida's Movement Disorders Center.

Epilepsy and Simulated Driving. We test the driving performance of people with seizures in a DriveSafety DS-250c simulator. This project is partially funded by the University of Florida's Adult Neurology Comprehensive Epilepsy Program.

From previous **Simulator Studies**, in which we have utilized the STISIM M500W fixed-based driving simulator, we are examining the incidence and prevalence of simulator sickness, and developing simulator mitigation strategies.

Florida Senior Safety Resource Center (FSSRC). We are updating the existing Alternative Transportation component of the virtual FSSRC to ensure accuracy and to put a maintenance plan in place to keep the site current. This project is sponsored by the Florida Department of Transportation.

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I-MAP Staff



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I-MAP



participation: involvement in a life situation

activity: the execution of a task or action by an individual

mobility: moving by changing body position or location, or by transferring from one place to another, by carrying, moving or manipulating objects, by walking, running

From the Director

Sherrilene Classen, PhD, MPH, OTR/L
Director, I-MAP
Assistant Professor, Department of
Occupational Therapy

“We have established I-MAP in 2009 to reflect our focus on mobility and transportation through the lifespan, and to bring together professionals and students interested in this area. Mobility and transportation enable activity, facilitate participation in society, promote access to goods and services, and enhance quality of life. We invite you by way of this informational brochure to peruse the activities of I-MAP and to consider becoming an affiliated member. To discuss ideas for collaborative work, please contact me at mobility@pnhp.ufl.edu. I look forward to hearing from you!”

I-MAP Research Activities

- Driver screening, evaluation and rehabilitation
 - Clinical testing
 - Simulated driving performance
 - On-road driving performance
 - Instrumented vehicles
- Instrument and measurement tool development
- Community mobility
- Driving cessation and counseling
- Transportation options
- Special populations in whom driving, community mobility or use of transportation may be affected
- In-vehicle technologies
- Roadway or intersection design
- Walkable communities
- Mobility through the life span
- Crash, crash-related injury and fatality prevention
- Personal mobility, including walking and wheelchair mobility



International Advisory Committee

“I-MAP is guided by an Advisory Committee whose membership includes leading experts on mobility and transportation from around the world. The Advisory Committee will provide direction in the identification of important mobility problems, and suggestions for best approaches to investigating these problems.”



William C. Mann, PhD
Chair, I-MAP Advisory Committee
Chair, Department of Occupational Therapy
Director, Rehabilitation Science Doctoral Program

Committee Members

- **Wiebo Brouwer, PhD** (*Netherlands*) Professor of Traffic Medicine and Traffic Neuropsychology, Departments of Neurology and Psychology, University of Groningen; President of the International Traffic Medicine Association (ITMA).
- **Judith Charlton, PhD** (*Australia*) Associate Director of Education and Research Training at the Monash University Accident Research Centre.
- **Marilyn DiStefano, PhD** (*Australia*) Senior Researcher, Centre for Ergonomics and Human Factors, OT-Drive. Senior Lecturer, School of Occupational Therapy, LaTrobe University.
- **John Eberhard, PhD** (*US*) Research psychologist and consultant on senior safe mobility.
- **Etsuo Horikawa, PhD** (*Japan*) Professor Neuropsychology; Director of Mobility Research Laboratory Center for Comprehensive and Community Medicine, Graduate School of Medicine, Saga University.
- **Nicol Korner-Bitensky, PhD** (*Canada*) Associate Professor, Faculty of Medicine, School of Physical and Occupational Therapy, McGill University; Leader of the Rehabilitation Theme, Canadian Stroke Network, Center of Excellence.
- **Christopher (Kit) G. B. Mitchell, PhD** (*UK*) Consultant and mechanical scientist with special expertise in improving transport for older people and those with mobility limitations.

Mission

Through research, education, and service initiatives, the Institute for Mobility, Activity and Participation (**I-MAP**) will preserve, promote and improve independent, safe and appropriate mobility for individuals and within populations.

Research

Our driving related research projects initially focused on older driver safety research. In establishing I-MAP we have expanded our research to include younger age groups, use of all types of transportation, personal mobility, such as getting around at home, and walking. We are developing, marketing, and inviting research collaborations in these existing and new areas.

Education

I-MAP provides educational opportunities for fellows and students at various levels of education, including:

- Post-doctoral Fellows
- Doctoral Students
- Masters Students
- Undergraduate Honors Students

On-line Courses

To meet the continued education needs of the transportation community, I-MAP is offering on-line courses. Visit us at <http://ceu.pnhp.ufl.edu> for more details.

Service

Independence Drive (I-Drive) is a University of Florida affiliated program, developed to increase the safe mobility and independence of citizens through driving evaluations, driving rehabilitation, consultations, community education, and training in the use of alternative transportation options. For more information contact idrive@pnhp.ufl.edu or phone 888-248-5005, or (352) 392-8850.

Partners

To fulfill our mission in research, education and service we have partnered with collaborators, clinics, rehabilitation centers, institutes, hospitals and retirement centers in North America and abroad.