

NAME	Peter F. Sweatman, Ph.D.
TITLE	Director, UMTRI Research Scientist, UMTRI Director, Michigan Mobility Transformation Center
RESEARCH AREAS	Heavy vehicle interaction, impact of commercial vehicle operation on highway systems, vehicle design and engineering, vehicle safety, road safety, driver performance, highway condition monitoring, heavy vehicle standards and regulations, and transport economics and policy.
APPOINTMENTS	
University of Michigan	
2013 – present	Director, Michigan Mobility Transformation Center
2004 – present	Director, UMTRI
2004 – present	Research Scientist, UMTRI
1989 - 2004	Roaduser Systems Pty Ltd, Australia, Founder and Managing Director
1984 - 1989	Australian Road Research Board, Chief Scientist
1976 - 1989	Australian Road Research Board, Founder, Heavy Vehicle Research
1987	Cornell University, Ithaca, NY, Visiting Scientist
1973 – 1976	University of Melbourne, Senior Research Fellow
EDUCATION	Ph.D., Vehicle Dynamics, Mechanical Engineering University of Melbourne, 1973
	B.E., Mechanical Engineering University of Melbourne, 1968
AWARDS/ HONORS	Centenary Medal – <i>For Service to Australian Society in Transportation Engineering</i> – presented by the Prime Minister of Australia, 2002

PUBLICATIONS

Keep Moving, Towards Sustainable Mobility

Bert van Wee (Ed.) Councils for the Environment and Infrastructure (RLI) and the European Environmental and Sustainable Development Advisory Councils. “Information and Communications Technology (ICT) Unleashed”, Chapter 4, pages 85-107; 2012.

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PUBLICATIONS, *continued*

Analysis of the potential benefits of larger trucks for U.S. businesses operating private fleets
Woodrooffe, J.; Belzowski, B. M.; Reece, J., et. al. (University of Michigan, Ann Arbor,
Transportation Research Institute, (2009)

Safety benefits of stability control systems for tractor- semitrailers
Woodrooffe, J.; Blower, D.; Gordon, T., et. al. (National Highway Traffic Safety Administration,
Washington DC, 2009-10)

RESEARCH FUNDING (PI AND/OR CO)

IBM

IBM Faculty Award – ITS Market Database Project

\$25,000 – direct; \$0 – indirect

TOTAL: \$25,000

8/1/12 – 7/31/13

Michigan Department of Transportation

MDOT/Connected Vehicle Trade Association 5th Summit on the Future of the Connected Vehicle

\$33,059 – direct; \$2,456 – indirect

TOTAL: \$35,515

7/1/14 – 6/30/15

MDOT/Connected Vehicle Trade Association 4th Summit-Future of the Connected Vehicle

\$29,682 – direct; \$8,959 – indirect

TOTAL: \$38,821

7/1/13– 6/30/14

Project Management Support for the Safety Pilot Model Deployment Project

\$250,000 – direct; \$50,000 – indirect

TOTAL: \$300,000

5/5/12 – 8/1/13

Ford Motor Company

Implementation of Ford Megacity Mobility – Year 6

\$96,463 – direct; \$53,537 – indirect

TOTAL: \$150,000

11/1/11 – 10/31/13

US Department of Transportation, Federal Highway Administration

Safety Pilot Model Deployment

\$10,543,509 – direct; \$5,462,277 – indirect

TOTAL: \$16,005,786

8/8/11 – 2/17/14

- Nissan-funded study of the interaction between electrified vehicle characteristics and the smart grid (2011)
- TARDEC-funded study of R&D trends in military ground vehicles (2010 – 2011)
- DOE-funded collaborative study of technical challenges of plug-in hybrid electric vehicles and impacts to the U.S. power system (2007 – 2009)
- Ford-funded global program for sustainable mobility in megacities (2005 – present)
- Michigan DOT studies of probe vehicle data in use highway network management (2005 – present)

SERVICE

University of Michigan

- ATLAS Executive Board (2014 – present)
- Energy Institute Executive Committee (2013 – present)
- University of Michigan Injury Center Executive Committee (2012 – present)
- SMART Steering Team (2010 – present)
- Business Engagement Center Advisory Council (2010 - 2013)

MEMBERSHIPS/COMMITTEES/INDUSTRY

- Intelligent Transportation Society of America
 - Chair, Leadership Circle, ITS America (2013 – present)
 - Member, Board of Directors, ITS America (2008 – present)
 - Chair, ITS America Board of Directors (2012 – 2013)
 - Chair, ITS America Coordinating Council (2010 – 2011)
 - Chair, ITS America Safety Forum (2009 – 2010)
- Ann Arbor Public Schools Transportation Working Group (2012 – 2014)
- Member, USDOT ITS Program Advisory Committee (2010 - 2012) (appointed by the Secretary of Transportation)
- Transportation Research Board of the National Academies
 - Chair, EU-US Symposium on Road and Vehicle Connectivity and Automation, April 14-15, 2015, Washington, DC
 - Member, TRB Committee on National Research Frameworks: Application to Transportation (2010 – 2012) (Transportation Research Board of the National Academies)
 - Member, TRB Committee for a Study of Supply and Demand for Highway Safety Professionals in the Public Sector (2006 – 2007) (Transportation Research Board of the National Academies)
- Editor, Society of Automotive Engineers Journal of Commercial Vehicles (2006 – 2010)
- Chair, Organization for Economic Cooperation and Development (OECD) Impacts of Heavy Freight Vehicles Cooperative International Research Program (1990-97)

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- Co-founder, International Forum for Road Transport Technology (1992-current) – served as President 1995-2002
- Member, SAE Truck & Bus Council (2005 – 2011)
- Member, Ford Global Citizenship Review Committee – sustainability review of Ford Motor Company's operations (2005 – 2006)
- Chair, Standards Australia Committee ME/53, Heavy Vehicles (2000-2004)
- Member, Industry Advisory Group, National Transport Commission of Australia (1995-2004)