

CURRICULUM VITAE

Name Abiodun Emmanuel **Akinwuntan**
 KUMC Rank Professor
 KUMC Title Dean, School of Health Professions
 Office Address 1024 Murphy Administration Building
 3901 Rainbow Boulevard
 Kansas City, KS 66160
 Office Telephone (913) 291 4697

<u>EDUCATION</u>	<i>Institutions</i>	<i>Dates</i>	<i>Degrees</i>
College	OSCAS, Ile-Ife, Osun State	1986-1988	Advanced Level Cert.
Graduate & Professional	College of Med. Univ. of Lagos	1989-1994	B.Sc.
	Katholieke Univ. Leuven, Belgium	1999-2000	M.Sc.
	Katholieke Univ. Leuven, Belgium	2000-2004	Ph.D.
	University of East London, UK	2004-2005	PG Cert.
Post-Doctoral Training	Georgia Regents University	2009-2012	MPH
Graduate	Georgia Regents University	2012-2015	MBA
	Harvard University, Cambridge, MA	2018-2018	Leadership Cert.
Continuing Education			
Board Certification	Medical Rehabilitation Therapists Board of Nigeria		Since 1994
	Health Professions Council, United Kingdom		Since 2004
	Association for Driver Rehabilitation Specialists		Since 2009

EMPLOYMENT HISTORY (Experience in Chronological Order)***Academic Appointments***

<i>Title/Rank</i>	<i>Institution</i>	<i>Dates</i>
Intern Physical Therapist	Jos University Teaching Hospital, Jos, Nigeria	1994-1995
Physical Therapist	Abia State Sports Council, Umuahia, Nigeria	1995-1996
Physical Therapist	Iyalode Bisoye Tejuoso Hospital, Lagos, Nigeria	1996-1999
Research Assistant	Katholieke Universiteit Leuven, Belgium	1999-2000
Doctoral Research Asst.	Katholieke Universiteit Leuven, Belgium	2000-2004
Senior Lecturer	University of East London, United Kingdom	2004-2005
Assistant Professor	Georgia Regents University, (Physical Therapy)	April, 2005
Director	Georgia Regents University, Driving Simulation	February, 2007
Assistant Professor	Georgia Regents University, (Graduate Studies)	October, 2008
Assistant Professor	Georgia Regents University, (Neurology)	November, 2008
Associate Professor	Georgia Regents University, (Physical Therapy, Graduate Studies, & Neurology)	July, 2010
Associate Professor	Georgia Regents University, (Ophthalmology)	September, 2011
Interim Assoc. Dean, Res.	Georgia Regents University, (Allied Health)	October, 2012
Associate Dean, Res.	Georgia Regents University, (Allied Health)	September, 2014
Professor	Georgia Regents University, (Physical Therapy, Neurology, & Ophthalmology)	July, 2015
Dean and Professor	Kansas University Medical Center	January, 2016
Professor	KUMC, (Physical Therapy & Neurology)	January, 2016

AWARDS/HONORS

- Interfaculty Office for Development Cooperation of the Katholieke Universiteit Leuven, Belgium. Scholarship Award for Doctoral Study 2000
- Stichting Van Goethem-Brichant Award, Belgium 2001
- Outstanding Student Paper Award; Driving Assessment Conference, Aspen CO 2001
- Medical College of Georgia, CAHS Faculty Research Award 2009
- Inducted into the Medical College of Georgia Chapter of Alpha Eta Honor Society 2009
- Appointed Editor-In-Chief of The Nigerian Journal of Medical Rehabilitation 2010
- Invited as a Speaker to the 8th World Stroke Congress in Brasilia, Brazil 2012
- Georgia Health Sciences University Excellence in Public Health Research Award 2012
- Member, Leadership Augusta Class of 2012 2012
- Thompson Abayomi Oshin Elite Lecture Award 2013
- Georgia Regents University CAHS Outstanding Faculty Award 2013
- Appointed as a Mentor in the NIH PRIDE Programs 2013
- Fulbright U.S. Scholar Award 2013
- Georgia Regents University CAHS Faculty Research Award 2014
- Guest Speaker: Lagos University Medical Society International Seminar 2014
- Member, Expert Review Committee: Canadian Foundation for Innovation 2014
- Selected as a US Fulbright Specialist in Medical Sciences 2015
- Inducted into the Georgia Regents University Phi Kappa Phi Honor Society 2015
- Member, Fulbright U.S. Scholar Program Peer Review Committee 2015
- Appointed member of the International Medical Advisory Board of YoungStroke 2015
- Fulbright Specialist Award to University of Akureyri, Iceland 2016
- Appointed Academic Editor of PLOS ONE Journal 2019
- Appointed, Editorial Board of Archives of Physical Medicine and Rehabilitation Journal 2019
- Inducted, Fellow of the Association of Schools Advancing Health Professions 2020

NATIONAL AND INTERNATIONAL SERVICE

- Member: AND30 Committee of the Transportation Research Board. 2002
- Member: Medical Expert Panel on Stroke and Commercial Truck Driving of the Federal Motor Carrier Safety Administration of the U.S. Department of Transportation. 2008
- Member, Sci. Review Committee: 5th international driving assessment conference 2009
- Member, Sci. Review Committee: 89th annual meeting of Transportation Res. Board 2009
- Member, Sci. Review Committee: 6th international driving assessment conference 2011
- Member, Sci. Review Committee: 90th annual meeting of Transportation Res. Board 2011
- Member, Sci. Review Committee: 7th international driving assessment conference 2013
- Member, Expert Review Committee: Canadian Foundation for Innovation 2014
- Member, Selection Committee: Fulbright and Hubert Humphrey Fellowship Programs 2014
- Member, Sci. Review Committee: 8th international driving assessment conference 2015
- Member, Fulbright U.S. Scholar Program Peer Review Committee 2015
- Member, International Medical Advisory Board of YoungStroke 2015
- Reviewer for 14 high impact factor peer reviewed journals including Nature Reviews Neurology; Stroke; Neuroscience; Ergonomics; and European journal of Neurology
- Member, Board of Directors, Center for Practical Bioethics 2016
- Treasurer, Schools of Health Professions Midwest Deans Association 2016
- Coordinator, Research Intensive Schools of Health Professions Deans 2018
- Member, ASAHP Nominations and Elections Committee 2019
- Appointed Academic Editor of PLOS ONE Journal 2019
- Appointed, Editorial Board of Archives of Physical Medicine and Rehabilitation Journal 2019
- Chair, ASAHP Research, Discovery, and Innovation Committee 2020 _____

RESEARCH AND TRAINING GRANTS AWARDED (Last Ten Years)

1. Title: Cultivating Global Citizenship in the Heartland
Name of Grant: Research Grant
Funding Agency: United States Department of Education
Duration: 05/16/2020 – 06/27/2020
Role: Co-PI
Total budget: \$7,150

2. Title: Virtual Reality-Treadmill Combined Intervention for Enhancing Mobility and Cognitive Function in Patients with Relapsing-Remitting Multiple Sclerosis
Name of Grant: Research Grant
Funding Agency: National Multiple Sclerosis Society
Duration: 04/01/2019 – 03/31/2021
Role: Co-Investigator
Total budget: \$120,000

3. Title: Drivers' Safety Institute to Improve Performance of Hazardous Goods Drivers
Name of grant: University Transportation Centers Program
Funding agency: United States Department of Transportation
Duration: 05/01/2017/-04/30/2022
Goal: To improve safety on public roads during transportation of hazardous materials
Role: Site Co-PI and Associate Director
Percentage Effort: 5%
Total budget: \$13.75 million

4. Title: User-friendliness of a Portable Driving Simulator to retrain impaired driving skills in stroke survivors and in individuals with Parkinson's disease and Multiple Sclerosis
Name of Grant: 2018-2019 Dr. Lauren S. Aaronson Trailblazer Award
Duration: 07/01/2018 – 06/31/2020
Total budget: \$5,000
Role: PI

5. Title: A Low Cost Portable Driving Simulator
Name of Grant: Frontiers Institute for Advancing Medical Innovation
Duration: 01/01/2018 – 23/31/2018
Total budget: \$10,000
Role: Co-PI

6. Title: Task-Evoked Pupillary Response: Assessment of Cognitive Effort for Breast Cancer Survivors
Name of Grant: KU Cancer Center Fall 2017 Pilot Grant
Duration: 01/01/2018 – 12/31/2018
Total budget: \$34,000
Role: Co-I

7. Title: Relationship between fall risk and driving performance in multiple sclerosis
Name of grant: Pilot Grant
Funding agency: National Multiple Sclerosis Society
Duration: 04/01/2014-03/31/2016
Role: Principal Investigator
Percentage Effort: 8%
Total budget: \$33,000

8. Title: Assessment and rehabilitation of fitness-to-drive in individuals with Multiple Sclerosis (MS): A two-center randomized controlled trial
Name of grant: Research Grant
Funding agency: National Multiple Sclerosis Society
Duration: 10/01/2012-09/31/2015
Role: Principal Investigator
Percentage Effort: 20%
Total budget: \$359,569
9. Title: Population-based Assessment of Fitness-to-Drive in Medical Conditions
Name of grant: Research Collaboration Contract
Funding agency: Belgian Road Safety Institute Contract
Duration: 05/01/2015-04/30/2016
Role: Co-Investigator
Percentage effort: 5% Total
budget: 30,000 Euros
10. Title: The Fulbright U.S. Scholar Program for Teaching and Research in Nigeria
Name of grant: The Fulbright U.S. Scholar Program
Funding agency: United States Department of State, Bureau of Educational and Cultural Affairs
Duration: 08/01/2013-12/31/2013; 05/01/2014-10/31/2014
Role: Principal Investigator
Total budget: \$56,600
11. Title: Low Vision Rehabilitation for Drivers with Glaucoma
Name of grant: Pilot Research Grant
Funding agency: GRU James and Jean Culver Vision Discovery Institute
Duration: (12/15/2014-06/31/2015)
Role: Co-Investigator
Percentage effort: 5% Total
budget: \$12,500
12. Title: The use of AlterG® AntiGravity treadmill to promote independent walking after stroke
Name of grant: College of Allied Health Sciences Intramural Grant?
Funding agency: Georgia Regents University College of Allied Health Sciences
Duration: 07/01/2014 – 06/30/2015
Role: Co-Investigator
Percentage effort: 5%
Total budget: \$5,000
13. Title: Driving after Concussion: When is it safe to return to driving?
Name of grant: University of Georgia Seed Grant
Funding agency: University of Georgia
Duration: 01/07/2014 – 06/30/2015
Role: Co-Investigator
Total budget: 10,000
14. Title: Driving-related low vision rehabilitation for individuals with age-related macular degeneration
Name of grant: Pilot Research Grant
Funding agency: GRU James and Jean Culver Vision Discovery Institute
Duration: 07/01/2012-06/31/2015
Role: Principal Investigator

Percentage effort: 5% Total
budget: \$10,500

15. Title: Performance-based Visual Field Testing to Detect Driving Impairments in Individuals with Glaucoma

Name of grant: Fight for Sight: Grant-in-Aid
Funding agency: Fight for Sight Foundation
Duration: 01/07/2014 – 06/30/2015
Role: Co-Investigator
Percentage effort: 5% Total
budget: \$20,000

16. Title: Rehabilitation of fitness-to-drive in individuals with Multiple Sclerosis (MS)

Name of grant: GRU Extramural Success Award
Funding agency: GHSU Research Institute
Duration: 07/01/2012-06/31/2013
Role: Principal Investigator
Percentage effort: 10% Total
budget: \$25,000

17. Title: Driving Assessment and Rehabilitation

Name of grant: Rose and Mary Franklin Foundation Grant
Funding agency: Rose and Mary Franklin Foundation
Duration: 07/01/2012-08/31/2013
Role: Director of GHSU Driving Laboratory Total
budget: \$10,000

18. Title: Driving Assessment and Rehabilitation

Name of grant: Rose and Mary Franklin Foundation Grant
Funding agency: Rose and Mary Franklin Foundation
Duration: 09/01/2011-08/31/2012
Role: Director of GHSU Driving Laboratory Total
budget: \$5,000

19. Title: Fitness-to-drive in individuals with Multiple Sclerosis (MS)

Name of grant: CMSC One-Year Pilot Research Grants Funding
agency: The Consortium of Multiple Sclerosis Centers
Duration: 08/10/2010-08/09/2011
Role: Principal Investigator Percentage
effort: 15%
Total budget: \$39,600

20. Title: Development of driver training simulations in patients after stroke

Name of grant: Small Business Technology Transfer Research Grant
Funding agency: NIH: National Institute of Neurological Disorders and Stroke (NINDS)
Duration: 10/01/2009-09/31/2011
Principal Investigators: T. Rosenthal of STISIM & Dr. P. Rosen, MD of SHARP Rehab., CA
Role: Consultant
Percentage effort: 2% Total
budget: \$100,000

21. Title: Training of Driving Performance in Individuals with Parkinson's disease (PD)

Name of grant: Sheffield Memorial Grant Parkinson-Related Research

Funding agency: Augusta Chapter, National Parkinson Foundation (CSRA Parkinson Support Group)

Duration: 08/03/2009-12/31/2010

Role: Principal Investigator

Percentage effort: 15%

Total budget: \$10,000

SUBMITTED RESEARCH GRANTS

1. Title: Immediate and long-term effects of two different training programs on driving performance, naturalistic driving, and social integration of individuals with Multiple Sclerosis (MS)
Funding agency: National Institute on Disability, Independent Living, and Rehabilitation Research
Duration: 11/01/2019- 10/31/2024
Role: Principal Investigator
Percentage effort: 35%
Total budget: \$1,829,000
2. Title: Center for Research on Enabling Accessibility and Transportation Equity (CREATE)
Funding agency: Department of Transportation University Transportation Centers (UTC) Program
Duration: 02/01/2021- 01/31/2022
Role: KUMC Site PI
Percentage effort: 18%
Total budget: \$1,500,000

PRESENTATIONS AT NATIONAL, REGIONAL AND STATE MEETINGS (Last Ten Years)

1. **Akinwuntan AE.** Presentation of Recommendations of the Medical Expert Panel on Stroke and Commercial Motor Vehicle Driver Safety to the Federal Motor Carrier Safety Administration, US Department of Transport in Alexandria VA, January 2009.
2. **Akinwuntan AE,** Tank R, Vaughn L, Wilburn A, Easton S. Normative Values for Driving Simulation Parameters: Poster presentation the 5th International Driving Symposium on Human Factors in Driver Assessment, Training, and Vehicle Design in Big Sky, Montana, June 2009.
3. **Akinwuntan AE.** Usefulness of driving simulators in the evaluation and rehabilitation of driving after stroke. Invited Keynote Lecture at the Systems Technology Incorporated Simulator User's conference in Leuven, Belgium; September 2009.
4. **Akinwuntan AE.** Recent advances in the management of chronic stroke. Workshop presentation at the College of Medicine University of Lagos, Nigeria, 2010.
5. **Akinwuntan AE.** Short and long term effects of driving training after stroke: to be presented at the 7th World Stroke Congress in Seoul, South Korea, in October 2010.
6. **Akinwuntan AE.** Presentation on "Driving and Dementias" delivered during the Lunch and Learn series of the Alzheimer's Association, Georgia Chapter, Augusta Region in Augusta GA; April 2011.
7. **Akinwuntan AE.** Workshop on "Evidence Based Driving Assessment and Rehabilitation" delivered during the Georgia Health Sciences University 2011 Homecoming in Augusta GA; April 2011.
8. **Akinwuntan AE.** "Driving Assessment and Rehabilitation after a neurological condition" delivered during the Georgia Health Sciences University Department of Neurology Grand Round for May 2011.
9. **Akinwuntan AE.** Driving and Multiple Sclerosis. Invited presentation at the 25th Annual Meeting of the Consortium of Multiple Sclerosis Centers (CMSC), in Montreal, Canada; June 2011.
10. **Akinwuntan AE,** Gantt D, Gibson G, Kimmons K, Ross V, Wachtel J, Rosen P. US version of the Stroke Driver Screening Assessment: A pilot Study: poster presentation at the 16th International World Congress for Physical Therapy in Amsterdam, Holland. June, 2011.
11. **Akinwuntan AE,** Gantt D, Gibson G, Kimmons K, Ross V, Wachtel J, Rosen P. US version of the Stroke Driver Screening Assessment: A pilot Study: poster presentation at the International Driving

Symposium on Human Factors in Driver Assessment, Training and Vehicle Design in Lake Tahoe, California. USA. June, 2011.

12. K.M. Viner, **A.E. Akinwuntan**, G.P. Lee, R. Casillas, M.J. Williams, L.M. Stepleman. Usefulness of neuropsychological testing in predicting on-road driving abilities in patients with Multiple Sclerosis. Platform presentation at the 9th Annual Conference and Workshops of the American Academy of Clinical Neuropsychology, in Washington DC, USA, June 2011.
13. **Akinwuntan AE**, D'Amico M. "Low Vision Rehabilitation" delivered during the Georgia Health Sciences University Department of Ophthalmology Grand Round for February 2012.
14. **Akinwuntan AE**. Vision and Driving presented at the 4th Annual Vision Discovery Institute Scientific Retreat in Augusta, GA March 2012.
15. **Akinwuntan AE**. Driving and Multiple Sclerosis. Prediction of Driving in Individuals with Relapsing-Remitting Multiple Sclerosis. Presented at the 28th GHSU Annual Graduate Research Day, in Augusta; GA April 2011.
16. **Akinwuntan AE**. Driving and Multiple Sclerosis. Prediction of Driving in Individuals with Relapsing-Remitting Multiple Sclerosis. Presented at the 83rd Georgia Public Health Association Annual Meeting, in Atlanta; GA April 2011.
17. **Akinwuntan AE**. Driving and Multiple Sclerosis. Short Battery of Cognitive Tests Predicts Driving in Individuals with Relapsing-Remitting MS. Presented at the 26th Annual Meeting of the Consortium of Multiple Sclerosis Centers (CMSC), in San Diego; CA June 2011.
18. **Akinwuntan AE**. Driving after a neurologic condition. Presented at the 7th World Congress for NeuroRehabilitation in Melbourne Australia, May 2012.
19. **Akinwuntan AE**. Driving after Stroke. Invited Speaker presentation at the 8th World Stroke Congress in Brasilia, Brazil in 2012.
20. **Akinwuntan AE**, and D'Amico M. Presented on Low Vision Rehabilitation and Driving to Visually Impaired People (VIP) support group in Milledgeville, GA on Wednesday, January 16th, 2013
21. **Akinwuntan AE**, Prediction of Driving in Individuals with Relapsing-Remitting Multiple Sclerosis. Poster presentation at the 7th International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design in Bolton Landing, New York. USA. June, 2013.
22. **Akinwuntan AE**. Driving and Multiple Sclerosis. Training of Driving in Individuals with Relapsing-Remitting Multiple Sclerosis. Presented at the 27th Annual Meeting of the Consortium of Multiple Sclerosis Centers (CMSC), in Orlando; Florida June 2013.
23. **Akinwuntan AE**, Chong R, Daniel G, Fleming J, Lokey K. Simulation adaptation syndrome and the vestibular system: an exploratory study. Presentation at the Road Safety and Simulation International Conference in Rome, Italy, October 2013.
24. **Akinwuntan AE**. Driving with Multiple Sclerosis. Invited Speaker at the Health Colloquium series of the Department of Kinesiology and Community Health at the University of Illinois at Urbana-Champaign in February 2014.
25. **Akinwuntan AE**, Morgan J, Devos H. Effect of a simulator-based rehabilitation program on cognitive functions and on-road driving performance in Parkinson's disease: A pilot study. Presented at the 8th World Congress for NeuroRehabilitation in Istanbul Turkey, April 2014.
26. **Akinwuntan AE**. Driving after a neurological condition. Invited presentation in the Department of Neurology Washington University in St. Louis, MO in April 2014.
27. **Akinwuntan AE**, John EB. Evidence-Based Stroke Rehabilitation. Pre-Conference Workshop presented at the 10th Biannual World Confederation for Physical Therapy – Africa Congress in Lusaka Zambia in May 2014.
28. **Akinwuntan AE**. Life-long learning, a life-long journey. Seminar presentation at the Department of Physiotherapy, University of Lagos Seminar Series in the College of Medicine, University of Lagos, Nigeria in June 2014.
29. **Akinwuntan AE**. From E-Learning to Virtual Reality presented at the Lagos University Medical Society Seminar Series in the College of Medicines, University of Lagos, Nigeria in June 2014.
30. Devos H, Baker K, Phillips K, **Akinwuntan AE**. Improvement of driving skills in persons with relapsing-remitting multiple sclerosis poster presentation at the 17th International World Congress for Physical Therapy in Singapore. May, 2015.

31. Devos H, Amanda Cornelison, Erika De La Cruz, Tionna Harris, Kallie Phillips, Deborah Backus, **Akinwuntan AE**. Validation of cognitive screening tool to predict fitness-to-drive in individuals with Multiple Sclerosis poster presentation at the 17th International World Congress for Physical Therapy in Singapore. May, 2015.
32. Devos H, Amanda Cornelison, Erika De La Cruz, Tionna Harris, Kallie Phillips, Deborah Backus, **Akinwuntan AE**. Validation of cognitive screening tool to predict fitness-to-drive in individuals with Multiple Sclerosis presentation at the 2015 Annual Meeting of the Consortium for Multiple Sclerosis Centers in Indianapolis, Indiana. May, 2015.
33. Devos H, Amanda Cornelison, Erika De La Cruz, Tionna Harris, Kallie Phillips, **Akinwuntan AE**. Validation of a cognitive screening battery to predict fitness-to-drive in individuals with multiple sclerosis: a preliminary report. Hybrid poster presentation at the 8th International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design in Salt Lake City, Utah. USA. June, 2015.
34. **Akinwuntan AE**. Memory loss and Driving. Invited presentation at the First Annual Georgia Regents University Alzheimer's Symposium in Augusta GA. June, 2015.
35. **Akinwuntan AE**. Driving after stroke. Invited presentation at the YoungStroke 2015 conference in Jacksonville, FL. June, 2015.
36. Classen, S., Swanepoel, L., **Akinwuntan, A.E.**, Devos, H., Hirsh, P., Barco, P., Stern, B., Brook, J., Monahan, M., Evans, D., Rosenthal, T., Winter, S., Carr, D. (2015). Driving Simulation: Sharing evidence, enhancing practice. The Association for Driver Rehabilitation Specialists. Louisville, KY, 4 – 8 August, 2015.
37. **Akinwuntan AE**. Virtual Reality Technology and Vision. Invited presentation at the 2016 Kansas EyeCon conference in Leawood, KS. April 2016.
38. Devos, H., Ranchet, M., Tant, M., **Akinwuntan, A.E.** Agreement between medical and practical fitness-to-drive recommendations after stroke. World Conference for Neurorehabilitation. Philadelphia, PA, USA May. 2016.
39. **Akinwuntan AE**. Technology and Research. Invited presentation at the 20th meeting of the Merrill Research Retreat in Nebraska. August 2016.
40. **Akinwuntan AE**. Cognitive Skills Evaluation and Intervention following a Neurological Condition. Keynote presentation at the KUMC Neurological & Rehabilitation Sciences Graduate Training Program Fall Retreat 2016 in Kansas City KS. September 2016.
41. **Akinwuntan AE**. Virtual Reality and Health Care. Presentation at Akureyri Hospital, Akureyri, Iceland. October 2016.
42. **Akinwuntan AE**. Virtual Reality and Health Care. Presentation at the University of Akureyri Akureyri, Iceland. October 2016.
43. Schmidt, J.D., Devos, H., Hoffman, N., Ranchet, M., **Akinwuntan, A.E.**, Tomporowski, P., Miller, L.S. Driving after a concussion: Is it safe to drive after symptoms resolve? Concussion in Sport 5th International Consensus Conference. Berlin, Germany, October 2016.
44. Hannes Devos, **Abiodun Akinwuntan**, David Carr, Maud Ranchet, James Stowe, Ergun Uc. Full day course on clinician's guide to assessment and rehabilitation of driving in neurodegenerative condition at the 2016 American Congress of Rehabilitation Medicine conference in Chicago, USA. November 2016.
45. **Akinwuntan, A.E.**, Sosnoff, J., Devos, H. Association between falls risk and driving unsafety in multiple sclerosis. 2016 American Congress of Rehabilitation Medicine conference in Chicago, USA. November 2016.
46. Ranchet, M., **Akinwuntan, A.E.**, Tant, M., Devos, H. Fitness to drive agreements after stroke. 2016 American Congress of Rehabilitation Medicine conference in Chicago, USA. November 2016.
47. Ranchet, M., Tant, M., **Akinwuntan, A.E.**, Devos, H. Fitness to drive disagreements in patients with dementia. 2016 American Congress of Rehabilitation Medicine conference in Chicago, USA. November 2016.
48. Ranchet, M., Morgan, J.C., **Akinwuntan, A.E.**, Devos, H. Visual search of road signs in Parkinson's disease. 2016 American Congress of Rehabilitation Medicine conference in Chicago,

USA. November 2016.

49. Devos, H., Backus, D., Ranchet, M., **Akinwuntan, A.E.** Establishing a framework for driving rehabilitation in multiple sclerosis. 2016 American Congress of Rehabilitation Medicine conference in Chicago, USA. November 2016.
50. **Akinwuntan AE.** Virtual Reality and Health Care. Presentation at the University of Iceland, Reykjavik, Iceland. November 2016.
51. **Akinwuntan AE.** Virtual Reality and Health Care. Presentation at the University Hospital of Iceland, Lanspitali in Reykjavik, Iceland. November 2016.
52. Devos H, Backus D, Abisamra M, Anschutz J, Allison, Jr. D, Ranchet M, **Akinwuntan AE.** Determinants of performance on specific on-road skills in multiple sclerosis. Presentation at the 9th International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design in Equinox, VT. USA. June, 2017.
53. Kahya M, **Akinwuntan AE**, Williams K, Devos H. Does Task-Evoked Pupillary Response Reflect Change in Postural Control? A Proof-of-Concept Study". 2017 American Congress of Rehabilitation Medicine conference in Atlanta GA, USA. September 2017.
54. Gangeddula V, Ranchet M, **Akinwuntan AE**, Devos H. Effect of Cognitive Demand on Visual Field Performance in Senior Drivers With Glaucoma. 2017 American Congress of Rehabilitation Medicine conference in Atlanta GA, USA. September 2017.
55. Moon S, Ranchet M, **Akinwuntan AE**, Tant M, Devos H. Comparative Analysis of Unsafe Driving Risk in Medical Conditions. 2017 American Congress of Rehabilitation Medicine conference in Atlanta GA, USA. September 2017.
56. Winston F, Trick L, Bedard M, Carr D, Devos H, **Akinwuntan AE.** Workshop on simulator assessment and/or intervention for healthy teen drivers, older drivers and medically-at-risk drivers through the lifespan at the 2018 TRB Meeting in Washington DC, USA. January 2018.
57. **Akinwuntan AE.** Stroke Rehabilitation and Driving. Keynote Presentation at the Scientific Meeting Of the National Office for Traffic Medicine of the Royal College of Physicians of Ireland in Dublin Ireland. January 2.19
58. Devos, H., Ranchet, M., Morgan, J., Akinwuntan, A.E. (2019). Using a driving simulator to create a visual search test for drivers with Parkinson's disease. Proceedings of the Tenth International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design. Ninth International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design. Santa Fe, NM, 24-27 June, 2019.
59. Devos, H., Wingo, B., **Akinwuntan, A.E.**, Backus, D., Heyn, P. (2019). What after a PhD. SWO analysis of tenure, non-tenure and alt-academic tracks. 96th Annual Meeting of the American Congress of Rehabilitation medicine, Chicago, IL, November 05 -08, 2019.
60. . Kahya, M., Devos, H., Hausdorff, J., Sosnoff, J.J., **Akinwuntan, A.E.**, Hirsh, M. (2019). Use of Technology to Assess and Optimize Brain-Behavior Interactions during Cognitive-Motor Interference. 96th Annual Meeting of the American Congress of Rehabilitation medicine, Chicago, IL, November 05 -08, 2019.
61. Moon, S., Devos, H., Thompson, J., Kipp, K., **Akinuwntan, A.E.** (2019). Artificial neural networks: Shaping the future of neurorehabilitation research methodology. 96th Annual Meeting of the American Congress of Rehabilitation medicine, Chicago, IL, November 05 -08, 2019.
62. Hill, V., Burns, S. P., Heyn, P.C., Katz, L.W., Schwartz, J.K., Thomas, L., **Akinwuntan, A. E.** (2019). Part I: Self-Management for individuals with stroke: An Introduction. 96th Annual Meeting of the American Congress of Rehabilitation medicine, Chicago, IL, November 05 -08, 2019.
63. Hill, V., Burns, S. P., Heyn, P.C., Katz, L.W., Schwartz, J.K., Thomas, L., **Akinwuntan, A. E.** (2019). Part II: Self-Management for individuals with stroke: Practical Application. 96th Annual Meeting of the American Congress of Rehabilitation medicine, Chicago, IL, November 05 -08, 2019.
64. Devos, H., **Akinwuntan, A.E.**, Morohunfolu, B., Alissa, N., Lynch, S.G. (2019) The "Eyes" Have It: Greater Pupillary Response during Cognitive Tasks in Multiple Sclerosis. 96th Annual Meeting of the American Congress of Rehabilitation medicine, Chicago, IL, Nov. 05 -08, 2019.

65. Ranchet, M., **Akinwuntan, A.E.**, Morgan, J.C., Devos, H. Exploring the cognitive workload during visual search in Parkinson's disease. 2019 International Congress of Parkinson's disease and Movement Disorders.
66. **Abiodun E. Akinwuntan.** Stroke rehabilitation and driving. 2019 Scientific meeting proceedings of the National Office for Traffic Medicine of the Royal College of Physicians of Ireland. Dublin Ireland.
67. Kahya, M., Lyons, K., Pahwa, R., **Akinwuntan, A.E.**, Devos, H. (2020). Effect of postural demand on cognitive workload in fallers and non-fallers with Parkinson's disease. World Conference for Neurorehabilitation, Sep 7 – 10, virtual.
68. Ahmadnezhad, P., Burns, J., **Akinwuntan A.E.**, Devos, H. (2020). The associations between objective and subjective measures of cognitive workload in cognitively normal older adults with and without preclinical Alzheimer's disease. World Conference for Neurorehabilitation, Sep 7 – 10, virtual.
69. Moon, S., Song, HJ, Lyons, K., Pahwa, R., Sharma, VD, **Akinwuntan, AE**, Devos, H. (2020). Classification of movement disorders based on wearable sensors for balance and gait via machine learning models. World Conference for Neurorehabilitation, Sep 7 – 10, virtual.
70. Ahmadnezhad, P., Burns, J., **Akinwuntan A.E.**, Devos, H. (2020). The relationship between subjective and objective measures of cognitive workload in older adults with and without preclinical Alzheimer's disease. American Congress of Rehabilitation Medicine, Oct 19 – 24, virtual.
71. Ahmadnezhad, P., Burns, J, **Akinwuntan, A.E.**, Devos, H. (2020). The relationship between cognitive reserve and cognitive workload in older adults with and without preclinical Alzheimer's disease: a pilot study. American Congress of Rehabilitation Medicine, Oct 19 – 24, virtual.
72. Moon, S., Lyons, K.E., Pahwa, R., **Akinwuntan, A.E.**, Devos, H. (2020) A Comprehensive Virtual Reality Balance Assessment for Parkinson's Disease. American Congress of Rehabilitation Medicine, Oct. 19 – 24, virtual.
73. Moon, S., Song, H.J., Lyons, K.E., Pahwa, R., Sharma, V.D., **Akinwuntan, A.E.**, Devos, H. (2020). Machine Learning Classification of Parkinson's Disease and Essential Tremor Using Wearable Sensors. American College of Rehabilitation Medicine, Sep 19 – 24, virtual.
74. Kahya, M., Lyons, K., Pahwa, R., **Akinwuntan, A.**, Devos, H. (2020). Pupillary response to dual-task balance in Parkinson's disease: implications for falls. Combined Sections Meeting, Feb 12 – 15, Denver, CO.
75. **Akinwuntan A**, Belagaje S, Burns S, Danzl M, Hay C, Hu X, Terrill A, Hill V. Epidemiology, Challenges, and Rehabilitation of Young Stroke. Symposium at the American Congress of Rehabilitation Medicine, Oct. 19 – 24, virtual.

MEETINGS, VISITING PROFESSORSHIPS, etc. (Last Six Years)

1. NIH Programs to increase Diversity Among Individuals Engaged in Health-Related Research (PRIDE) mid-year meeting in Washington University in St Louis MO 2014
2. NIH Programs to increase Diversity Among Individuals Engaged in Health-Related Research (PRIDE) Annual Meeting for Mentees & Mentors in Bethesda MD 2014
3. Visiting Professor, Department of Neurology, Washington University in St. Louis, MO 2014
4. Visiting Professor, Faculty of Health Sciences, Curtin University, Western Australia 2018
5. Invited Speaker, National Office for Traffic Medicine Scientific Meeting in Dublin, Ireland 2019

ABSTRACTS

1. **Akinwuntan A E**, Feys H, DeWeerd W, Pauwels J, Baten G, Strypstein E. Determinants of driving after stroke: The 1ST International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design. August 2001.
2. **Akinwuntan A E**, Feys H, DeWeerd W, Pauwels J, Baten G, Strypstein E. Determinants of driving after stroke: The 2ND World Congress of the International Society of Physical Medicine and Rehabilitation Medicine. May 2003.
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9. **Akinwuntan A E**, DeWeerd W, Feys H, Pauwels J, Baten G, Arno P, Kiekens C. Effect of simulator training on the driving ability of stroke patients: a randomized controlled trial (RCT). The Driving Simulator Conference. November, 2005.
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11. **Akinwuntan A E**, DeWeerd W, Feys H, Pauwels J, Baten G, Arno P, Kiekens C. Effect of simulator training on the driving ability of stroke patients: a randomized controlled trial (RCT). The 15TH International World Congress for Physical Therapy. June 2007.
12. **Akinwuntan AE**, Devos H, Verheyden G, De Weerd W, Feys H, Baten G, Strypstein E, Kiekens C. Confirmation of the accuracy of a short battery to predict fitness-to-drive of stroke survivors without severe deficits. The 4TH International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design. July 2007.
13. **Akinwuntan AE**, Devos H, De Vooght F, Verheyden G, De Weerd W, Feys H, Baten G, Arno P, Kiekens C. Simulator-based training of driving-related attentional performance after stroke. The 4TH International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design. July 2007.
14. Van Kampen, M; Bogaert, G; Lemkens, H, **Akinwuntan E**. The influence of age, motivation and pelvic floor muscle exercises on the full-spectrum therapy for nocturnal enuresis: A randomized controlled study. *Neurology and Urodynamics* 2005;24(5-6): 478-480.
15. De Weerd W., Devos, H., Baten, G., Kiekens, C., **Akinwuntan, A**. Effect of simulator therapy on driving after stroke. Making the evidence work for your patients and their families. Southampton Neurorehabilitation Conference. September 2008.
16. Devos, H., **Akinwuntan, A.**, Nieuwboer, A., Tant, M., Kiekens, C., De Weerd, W. Effect of simulator therapy on driving after stroke: a 5-year follow-up of a randomized controlled trial. *Safe mobility for young and old*. International Traffic Medicine Association. April 2009.
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18. **Akinwuntan AE**, Tank R, Vaughn L, Wilburn A, Easton S. Normative Values for Driving Simulation Parameters: The 5TH International Driving Symposium on Human Factors in Driver Assessment, Training, and Vehicle Design. 2009.
19. Bolgla LA, Malone TR, Umberger BR, **Akinwuntan AE**, Uhl TL. "Predictor Variables for Identifying Females with and without Patellofemoral Pain Syndrome," *The Journal of Orthopaedics and Sports Physical Therapy*, 40(3), A26, 2010.
20. **Akinwuntan, A.**, Devos, H., Nieuwboer, A., Tant, M., Baten, G., Kiekens, C., Feys, H., De Weerd, W. (2010). Short and long term effects of driving training after stroke. *International Journal of Stroke: vol. 5 (Suppl 2)*. 7th World Stroke Congress. October 2010.
21. Devos, H., **Akinwuntan, A.**, De Weerd, W., Nieuwboer, A., Tant, M., Truijen, S. Screening for fitness to drive after stroke: a systematic review and meta-analysis. UK Stroke Forum Conference. Glasgow 2010.

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23. Devos, H., **Akinwuntan, A.**, Nieuwboer, A., Tant, M., Kiekens, C., De Weerd, W. Short and long term effects of two driving retraining programmes after stroke: a randomised controlled trial. *Physiotherapy*: vol. 97 (S1). World Physical Therapy 2011. Amsterdam, 20-23 June 2011, 283-284.
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27. **Akinwuntan AE**, Chong R, Daniel G, Fleming J, Lokey K. Simulation adaptation syndrome and the vestibular system: an exploratory study. *International Road Safety Journal*. 2013.
28. **Akinwuntan AE**, Prediction of Driving in Individuals with Relapsing-Remitting Multiple Sclerosis. The 7TH International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design. June 2013.
29. Devos H, Amanda Cornelison, Erika De La Cruz, Tionna Harris, Kallie Phillips, **Akinwuntan AE**. Validation of a cognitive screening battery to predict fitness-to-drive in individuals with multiple sclerosis: a preliminary report. The 8TH International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design. June 2015.
30. Maud Ranchet, Mark Tant, **Abiodun E. Akinwuntan**, Hannes Devos. Comorbidities in drivers with Parkinson disease. The 8TH International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design. June 2015.
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40. Sanghee Moon, Maud Ranchet, **Abiodun Akinwuntan**, Mark Tant, David B. Carr, Mukaila Raji, Hannes Devos. Risks of Unsafe Driving in the Oldest-old With Medical Conditions: A Comparative Analysis. Archives of Physical Medicine and Rehabilitation; Research Posters October 2018 Volume 99, Issue 10, Page e75.
41. Sanghee Moon, Melike Kahya, Kelly Lyons, Rajesh Pahwa, **Abiodun Akinwuntan**, Hannes Devos. The Eyes as a Window to Understanding Abstract Reasoning in Parkinson's Disease. Archives of Physical Medicine and Rehabilitation; Volume 99, Issue 12, December 2018, Page e215.
42. **Abiodun E. Akinwuntan**. Stroke rehabilitation and driving. 2019 Scientific meeting proceedings of the National Office for Traffic Medicine of the Royal College of Physicians of Ireland. Dublin Ireland.
43. Kahya, M., Lyons, K., Pahwa, R., **Akinwuntan, A.E.**, Devos, H. (2020). Effect of postural demand on cognitive workload in fallers and non-fallers with Parkinson's disease. World Conference for Neurorehabilitation, Sep 7 – 10, virtual.
44. Ahmadnezhad, P., Burns, J., **Akinwuntan A.E.**, Devos, H. (2020). The associations between objective and subjective measures of cognitive workload in cognitively normal older adults with and without preclinical Alzheimer's disease. World Conference for Neurorehabilitation, Sep 7 – 10, virtual.
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51. **Akinwuntan A**, Belagaje S, Burns S, Danzl M, Hay C, Hu X, Terrill A, Hill V. Epidemiology, Challenges, and Rehabilitation of Young Stroke. Symposium at the American Congress of Rehabilitation Medicine, Oct. 19 – 24, virtual.

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3. M Van Kampen, G Bogaert, **EA Akinwuntan**, L Claessen, H Van Poppel, W De Weerd: Long-term efficacy and predictive factors of full-spectrum therapy for nocturnal enuresis. *J Urology* 2004; 171: 2599-2602. **Impact Factor 5.16.**
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5. **Akinwuntan AE**, De Weerd W, Feys H, Baten G, Arno P, Kiekens C. The validity of a road test after stroke. *Archives of Physical Medicine and Rehabilitation* 2005; 86: 421-426. **Impact Factor 3.08.**
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7. **Akinwuntan AE**, Feys H, De Weerd W, Baten G, Arno P, Strypstein E, Kiekens C. Prediction of driving after stroke. A prospective study. *Neurorehabilitation and Neural Repair* 2006; 20: 417-423. **Impact Factor 4.71.**
8. **Akinwuntan AE**, Devos H, Verheyden G, De Weerd W, Feys H, Baten G, Strypstein E, Kiekens C. Confirmation of the accuracy of a short battery to predict fitness-to-drive of stroke survivors without severe deficits. *Journal of Rehabilitation Medicine* 2007; 39(9): 698-702. **Impact Factor 2.13.**
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14. **Akinwuntan AE**, Wachtel J, Rosen P. Driving simulation for evaluation and rehabilitation of driving after stroke. *Journal of Stroke and Cerebrovascular Diseases*, 2012; 21(6): 478-486. **Impact Factor 1.98.**
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