

Curriculum Vitae
Linda van Roosmalen, Ph.D.
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Linda van Roosmalen PhD
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Over 25 years of research and development expertise of medical devices, assistive technology and consumer products. Including user evaluation and safety assessment of products, software, systems, warnings and labeling. Expert in human factors engineering, usability engineering, ergonomics, mechanical engineering, product misuse, wheelchair transport safety, lift and ramp design, securement and restraint system design and environmental accessibility including Americans with Disabilities act.

Education

MS & BS	Industrial Design Engineering	Delft Technical University, Delft, The Netherlands
PhD	Rehabilitation Science and Technology	University of Pittsburgh, Pittsburgh, PA
Post Doc	Rehabilitation Science and Technology	University of Pittsburgh, Pittsburgh, PA

2010 – present LINC Design LLC

Principal, Consultant

LINC Design is a single owner LLC that provides consulting services:

- Human Factors & usability engineering, user research, ISO/IEC62366 compliance
- Design methodology, user-centered design, problem solving, design for safety and usability
- Legal case review, depositions, testify at trial, expert witness reporting, testing & simulation
- ADA, DOT and FDA regulations, ISO and RESNA standards on wheelchair safety & accessibility
- Safety and usability assessment including visibility and understanding of labeling and warnings

Experience

2024-present Royal Philips, Murrysville, PA

Lead Usability Designer

2021-2023 Bayer Radiology, Indianola PA

Chief Software Dev & Research

Led an international team in the development of an integrated Software product to connect Bayer injector systems with OEM scanner technologies.

2019-2021 Bayer Radiology, Indianola PA

Dir. Innovation, Device R&D

Created an innovation culture at Bayer Radiology, through the development and implementation of an innovation management process, innovation events and sustainable innovation review board.

2014-2019 Bayer Radiology, Indianola PA

Mgr. Human Factors, R&D

Created and led the Center of Excellence in Human Factors at Bayer Radiology, where contrast injector system hardware, software and disposables were evaluated on safety and usability per 62366 regulations.

2011-2017 Carnegie Mellon University, Pittsburgh, PA

Instructor – Rehabilitation Tech

Lectured bioengineering master students on problem solving, design methodology, product and interaction design within the Department of Bioengineering and Human Computer Interaction.

2004-2014 University of Pittsburgh, Pittsburgh, PA

Adjunct & Assistant Professor

Lead investigator on Rehabilitation Engineering Research Center on Wheelchair Transportation Safety, and Telerehabilitation and Quality of Life Technology. Conceived several mechanical design

concepts and test apparatus to improve wheelchair occupant safety during motor vehicle impacts and emergency driving. Lectured master students in area of design methodology and product design within the Department of Bioengineering and Rehabilitation Science and Technology.

1997-2004 University of Pittsburgh, Pittsburgh, PA **Post Doc & Grad Researcher**
Conducted research and grant writing within the Department of Rehabilitation Science and Technology in the area of occupant restraint innovation, wheelchair integrated restraints, wheelchair containment and user research among people with disabilities.

Utility & Design Patents

US8651782B2, wheeled mobility device containment systems and occupant retention systems and methods of containing wheeled mobility devices and retaining occupants thereof
US20090309344, Restraint Systems for Use in Vehicles and Methods of Restraint
US7802337B2, Retractable Ramp
US20230157552, system, device and method for safeguarding the wellbeing of patients for fluid injection
USD888226S1, Fluid Injector
US20230173172A1, System and method utilizing an integrated camera with a fluid injector
US20230233752, smart injector turn knobs
WO2023212186A1, System, method, and computer program product for implementing a remote console
WO2023159229A, System, method and device for delivery of a therapeutic or diagnostic agent

Standards Development Experience

ISO 10865: Assistive products for persons with a disability — Wheelchair containment and occupant retention systems for motor vehicles designed for use by both sitting and standing passengers:
Part 1: Systems for rearward facing wheelchair-seated passengers.
Part 2: Systems for forward facing wheelchair-seated passengers.

Honors

2011	Pitt Innovator Award, University of Pittsburgh
2010	Outstanding Faculty Award, University of Pittsburgh
2009	Pitt Innovator Award, University of Pittsburgh

Peer Reviewed Publications (20)

1. L van Roosmalen, NR Orton and LW Schneider. Safety, usability and independence for wheelchair-seated drivers and front row passengers of private vehicles: A qualitative research study. *Journal of Rehabilitation Research and Development*, 2013, Vol. 50 (2): 239-252.
2. L van Roosmalen, P Karg, DA Hobson, E De Leo, EA Porach. Transit Operator Evaluation Of Three Wheelchair Securement Systems In A Large Accessible Transit Vehicle. *Journal of Public Transportation*, 2012, Vol. 15 (4): 87-110.
3. K Frost, L van Roosmalen, GE Bertocci and DJ Cross. Wheeled Mobility Device Transportation Safety in Fixed Route and Demand-Responsive Public Transit Vehicles within the United States. *Assistive Technology*, 24 (2), 2012.
4. L van Roosmalen, P Karg, DA Hobson, MJ Turkovich, EA Porach. User evaluation of three wheelchair securement systems in large accessible transit vehicles. *J Rehabil Res Dev*. 2011; 48(7): 823-38.

5. M Turkovich, L van Roosmalen, DA Hobson, EA Porach. Alternative wheelchair securement systems – Performance during normal and emergency driving in a public bus. *Public Transportation Journal*, 2011, 14(3): 147-169.
6. L van Roosmalen, GJ Paquin, AM Steinfeld, “Quality of life technology: the state of personal transportation. *Physical medicine and rehabilitation clinics of North America* 2010; 21(1):111-25
7. P Karg, ME Buning, GE Bertocci, SI Fuhrman, DA Hobson, MA Manary, LW Schneider, L van Roosmalen. State of the science workshop on wheelchair transportation safety. *Assist Technol.* 2009; 21(3): 115-60.
8. M Pramuka, L van Roosmalen, *Telerehabilitation Technologies: Accessibility and usability.* International Journal of Telerehabilitation, Spring 2009. P25-36.
<http://telerehab.pitt.edu/ojs/index.php/Telerehab/>
9. L van Roosmalen, M Lutgendorf, MA Manary, “Occupant restraint preferences of individuals traveling in motor vehicles while seated in their wheelchairs”, *Assistive Technology* 20(4): 181-93, 2008.
10. P Wolf, L van Roosmalen, GE Bertocci. “Wheelchair tiedown and occupant restraint system issues In the real world and the virtual world: Combining qualitative and quantitative research approaches”, *Journal of Assistive Technology*, Vol 19-4, 2007 pp. 188-196.
11. DA Hobson, L van Roosmalen. “Towards the next generation of wheelchair securement Development of a demonstration UDIG-compatible wheelchair docking device”, *Journal of Assistive Technology*, Vol 19-4, 2007 pp. 210-222.
12. M Reed and L van Roosmalen, “A pilot study of a method for assessing the reach capability of wheelchair users for safety belt design”, *Applied Ergonomics* 2005; Vol36/5: 523-528.
13. L van Roosmalen, M Reed, GE Bertocci, “Pilot study of safety belt usability for vehicle occupants seated in wheelchairs”, *Assistive Tech. J.* 2005; 17:23-36.
14. GE Bertocci and L van Roosmalen, “Caster Crashworthiness”, *Assistive Tech. J.* 2003.
15. L van Roosmalen, G. E. Bertocci, D. Ha, P. Karg, “Wheelchair integrated occupant restraints: Feasibility in frontal impact,” *Medical Engineering and Physics*, Vol 23-10, January 2002.
16. L van Roosmalen, GE Bertocci, DA Hobson, and P Karg, "Preliminary evaluation of wheelchair occupant restraint system usage in motor vehicles," *Journal of Rehabilitation Research and Development*, Vol 39-1, 2002.
17. L van Roosmalen, GE Bertocci, D Ha, P Karg, S Szobota, "Proposed test method and evaluation of wheelchair seating system crashworthiness," *Journal of Rehabilitation Research and Development*, vol. 37, 2000, pp. 543-554.
18. D Ha, GE Bertocci, E Deemer, L van Roosmalen, and P Karg, "Evaluation of wheelchair back support crashworthiness: combination wheelchair back support surfaces and attachment hardware," *Journal of Rehabilitation Research & Development*, vol. 37, 2000, pp.555-564.
19. GE Bertocci, S Szobota, D Ha, L van Roosmalen, "Development of frontal impact crashworthy wheelchair seating design criteria using computer simulation," *Journal of Rehabilitation Research and Development*, vol. 37, 2000, pp.565-572.
20. GE Bertocci, D Ha, L van Roosmalen, P Karg, and E Deemer, “Evaluation of wheelchair drop seat crashworthiness,” *Medical Engineering and Physics*, vol. 37-5, 2000.

Proceedings of Conferences and Symposia (42)

1. L van Roosmalen, E Porach, MJ Turkovich, P Karg, L Krishnan. "A dynamic test method for simulating scooter-seated passenger injury scenarios on transit buses". FICCDAT, Toronto, June 2011.
2. M Turkovich, L van Roosmalen. "Risk of injury to the lower extremities of wheelchair seated drivers". Annual proceedings of RESNA, Toronto, June 2011.
3. L van Roosmalen, E Porach, M Turkovich. Prevention of wheelchair tips and passenger falls in public transit vehicles (P11-1198). Transportation Research Board, Annual Conference (ABE60), Jan 24, 2011. <http://amonline.trb.org/167t2a/1>
4. NR Orton, MA Manary, L van Roosmalen, LW Schneider. "Drive safe safety tips for wheelchair-seated drivers in private vehicles (P11-1200). Transportation Research Board, Annual Conference (ABE60), Jan 24, 2011. <http://amonline.trb.org/167t34/1>
5. M Fowler, SK Elineni, M Wills, K De Laurentis, S Sundarrao, L van Roosmalen, R Dubey. "A Novel Driving Simulator Utilizing Drive-by-Wire Controllers to Test Drivers with Disabilities: Evaluation of Acceleration and Braking Controls". In RESNA conference proceedings, Las Vegas, June 2010.
6. M Ghafourian, H Karimi, L van Roosmalen. "Universal Navigation Through Social Networking". In Human Computer Interaction (HCI) International conference proceedings, San Diego, August, 2009.
7. NL Ritchie, MA Manary, L van Roosmalen, LW Schneider. "The role of armrest design in positioning of belt restraints on wheelchair-seated drivers". In RESNA conference proceedings, New Orleans, June 2009.
8. M J Turkovich, L van Roosmalen, D A Hobson, EA Porach, "Assessment of wheelchair securement systems in a large accessible transit vehicle". In RESNA conference proceedings, New Orleans, June 2009. (winner scientific student paper)
9. L van Roosmalen, DA Hobson, M J Turkovich, P Karg, EA Porach. "Wheelchair securement in public transportation. International Seating Symposium, Orlando, FL, March 2009, pp. 255-256.
10. L van Roosmalen, A Lane, "Driving with a Disability – Clinical and Technical Perspectives". International Seating Symposium, Orlando, FL, March, 2009, pp. 161-162.
11. L van Roosmalen, I de Jongh, N Ritchie and LW Schneider, "Safety System and Usability Issues for Wheelchair-Seated Drivers and Passengers of Private Vehicles: A Pilot Study". RESNA conference proceedings, Washington, DC, June 2008.
12. L van Roosmalen, I de Jongh, "Potential solutions to improve the safety of wheelchair seated drivers and passengers in private vehicles". IASTED conference proceedings, Baltimore, MD, April 2008.
13. L van Roosmalen, M Pramuka, "Telerehabilitation and Service Delivery: A Tool for Clinicians". ISS conference proceedings, Vancouver, BC, March 2008.
14. L van Roosmalen, "Usability and Safety Issues for Wheelchair Seated Riders in Private Vehicles". ISS conference proceedings, Vancouver, BC, March 2008.
15. H Ohnabe, RA Cooper, D Colling, K Seelman, L van Roosmalen. Relationship between Quality of Life (QoL), ICF Model, Universal Design, Orphan Technology and rehabilitation Engineering. The 1st Conference on Rehabilitation Engineering and Assistive Technology of Korea (RESKO), Busan, Korea, Oct. 26, 2007.
16. R D'Souza, GE Bertocci, L van Roosmalen, "Effect of Manual Wheelchair Caster Stiffness and Energy Absorption on Wheelchair-Occupant Kinematics During a Frontal Impact Using Computer Simulation", Accepted for publication in the RESNA conference proceedings, Phoenix, AZ, June 2007.
17. L van Roosmalen and J Sellers, "User centered design of a wheelchair mounted seatbelt", Accepted for publication in the RESNA conference proceedings, Phoenix, AZ, June 2007.

18. M Pramuka, SL Chase, N Danilko, M McCue, L van Roosmalen, B Demuth, "Telerehabilitation and vocational rehabilitation: Supported self-employment using web-based applications", RESNA conference proceedings, Orlando, FL, June 2006.
19. L van Roosmalen and H Ohnabe, "Design for an accessible universe", ISS conference proceedings, Vancouver, BC, March 2006.
20. L van Roosmalen and M Pramuka, "Telerehabilitation: A web based tool for clinicians", ISS conference proceedings, Vancouver, BC, March 2006.
21. S Urankar and L van Roosmalen, "Design Criteria for a Wheelchair Integrated Pelvic Restraint Device", RESNA conference proceedings, Atlanta, GA, June 2005.
22. L van Roosmalen, DA Hobson and GE Bertocci. "Braking and Swerving of Large Transit Buses Related to Wheelchair and Occupant Safety", ISS proceedings. Orlando, FL, January 20, 2005.
23. L van Roosmalen, M Reed. Wheelchair occupant restraint usability issues. Annual proceedings of RESNA, Orlando, FL, June 2004.
24. L van Roosmalen, M Reed. Usability issues and reach in wheelchair occupant restraint design. International Seating Symposium proceedings, Vancouver, March 5, 2004.
25. C Armstrong, L van Roosmalen, M Manary, and GE Bertocci. User preferences on wheelchair integrated restraint design. Annual RESNA Conference. 2003. Atlanta, GE.
26. N Tharakeswarappa, L van Roosmalen, GE Bertocci, J Duncan, S Guo, and RA Cooper. Development of a pendulum impact tester to evaluate wheelchair caster crashworthiness. Annual RESNA Conference. 2003. Atlanta, GE.
27. L van Roosmalen, SA Reeves, and DA Hobson. Effect of universal docking interface geometry (UDIG) placement on wheelchair and occupant kinematics. Annual RESNA Conference. 2003. Atlanta, GE.
28. L van Roosmalen, and GE Bertocci. Wheelchair caster loading during frontal motor vehicle impact. Annual RESNA Conference. 2003. Atlanta, GE.
29. L van Roosmalen, GE Bertocci, and D Herring. Wheelchair and occupant kinematics during 'low-g' turning and braking. Annual RESNA Conference. 2003. Atlanta, GE.
30. L van Roosmalen, DA Hobson. Issues related to the location of a universal interface for automated wheelchair securement. Annual RESNA Conference. 2002, Minneapolis, MN.
31. AM Koontz, RA Cooper, L van Roosmalen. Anthropometrics in Wheelchair Mobility Studies. In: Anthropometrics of Disability: An International Workshop. Buffalo, NY, RERC-UD, RERC-ESE, May 31-June 2, 2001, pp. 13-1/5.
32. L van Roosmalen, GE Bertocci, DA Hobson, P Karg. Usability and satisfaction of wheelchair occupant restraint systems used during motor vehicle transport. In: RESNA annual conference; 2001 June 25, 2001; Reno: RESNA Press; 2001.
33. L van Roosmalen, GE Bertocci, A Leary. Computer simulation validation of a wheelchair mounted occupant restraint system under frontal impact. In: RESNA annual conference; 2001 June 25, 2001; Reno: RESNA Press; 2001.
34. L van Roosmalen, GE Bertocci. The effect of a wheelchair integrated occupant restraint system on wheelchair tie-down and occupant restraint design characteristics. In: RESNA annual conference; June 25, 2001; Reno: RESNA Press; 2001.
35. D Ha, GE Bertocci, E Deemer, L van Roosmalen, and P. Karg, "Evaluation of wheelchair seating system crashworthiness: Wheelchair back surfaces attachment hardware," Proceedings of the RESNA annual conference. Orlando, FL, 2000.
36. L van Roosmalen, GE Bertocci, "Evaluation of the Seat Belt Anchorage strength of a prototype Wheelchair Integrated Occupant Restraint System", Proceedings of the RESNA annual conference. Orlando, FL, 2000.

37. L van Roosmalen, GE Bertocci, "Adaptation of Integrated Restraint Technology for use in the Wheelchair Transportation Industry", Proceedings of BMES-EMBS. Atlanta, GO, 1999.
38. L van Roosmalen, D Ha, GE Bertocci, P Karg, "Evaluating crashworthiness of WCSS according to FMVSS 207 testing protocols," Proceedings of the RESNA annual conference. Long Beach, 1999, pp.257-259.
39. L van Roosmalen, J. Ysselstein, J. Tipton, P. Axelson, "Development of a Soft Surface Mobility Device," RESNA '99 Proceedings. Long Beach, 1999, pp.287-289.
40. W.M. Richter, L van Roosmalen, D.A. Chesney, P.W. Axelson, "User Evaluations of Three Low-Impact Pushrim Designs," RESNA '99 Proceedings. Long Beach, 1999, pp.248-250.
41. L van Roosmalen, M. Baldwin, T. Bursick, "Design Process and Test Results according to ANSI/RESNA Standards of a Wheelchair Build of PVC Tubing, Plywood and Fasteners," RESNA '99 Proceedings. Long Beach, 1999, pp.302-304.
42. L van Roosmalen, G.E. Bertocci, P. Karg, T. Young, "Belt Fit Evaluation of Fixed Vehicle-Mounted Shoulder Restraint Anchor across Mixed Occupant Populations", Proceedings of the RESNA annual conference. Minneapolis, 1998, pp.40-43.

Book Chapters, Reports and Newsletters (12)

1. K Frost, L van Roosmalen and GE Bertocci. State of Science White Paper on Wheelchair and Scooter Transportation Safety in Fixed-Route and Demand-Responsive Public Transit Vehicles. Distributed at SoS Conference on Public Transportation at APTA, Cleveland OH, May 5, 2010.
2. L Schneider, M Manary, E Cardona, P Girardin, P Karg, J Kolzynski, A Lane, D Lipka, M McCloskey C Shuler, S Sundarrao, G Talbot and L van Roosmalen. State-of-Science White Paper on Wheelchair Transportation Safety (WTS) in Private Vehicles. Distributed at SOS Conference on Private Transportation at NMEDA, Reno NV, February 12, 2010.
3. M Manary, L van Roosmalen. The Future of Wheelchair Transportation Safety. Paraplegia News, June 2009.
4. L van Roosmalen, A Lane. Personal Vans and Wheelchair Seating, Paraplegia News, February 2009, pp 22-23.
5. L van Roosmalen. M Turkovich, DA Hobson, E Porach, P Karg and A Allegretti. "Wheelchair securement system testing in a Pittsburgh Port Authority transit bus". Pittsburgh Port Authority Transit Newsletter. Nov. 2008.
6. L van Roosmalen. M Turkovich, DA Hobson, E Porach, P Karg and A Allegretti. "Wheelchair securement system testing in a Pittsburgh Port Authority transit bus". HERL Newsletter. Vol. 7 (2) p 5, 2008.
7. L van Roosmalen and DA Hobson. "Peering into a Crystal Ball: What's the Future for Wheelchair-Seated Travel?" Exceptional Parent Magazine, February 2008, pp.54-57.
8. L van Roosmalen and LW Schneider. "Safety and Independence for Wheelchair Seated Drivers and Passengers in Private Vehicles". Accepted for publication in the April 2007 ADED Newsletter.
9. Chapter in "Medical Instrumentation: Accessibility and Usability Considerations" edited by JM Winters and MF Story. Taylor and Francis. October 2006.
10. Chapter in "Intro to Rehabilitation Engineering" edited by Dr. Rory A Cooper, Dr. Douglas A. Hobson and Dr. Hisaichi Ohnabe.
11. Chapter in "State of the Science Workshop on Wheelchair Transportation Safety". Final Report 2005. University of Pittsburgh and University of Michigan, 2005.
12. L van Roosmalen, "Wheelchair integrated occupant restraint system feasibility in frontal impact". Doctoral Dissertation, Department of Rehabilitation Science and Technology, University of Pittsburgh: Pittsburgh, 2001.

Presentations, Instructional Courses, Conferences (33)

1. L van Roosmalen. Low Acceleration Test Method for Wheelchair Securement and Occupant Restraint Systems. Transportation Research Board 92nd Annual Meeting, ABE60, January 2013.
2. L van Roosmalen, E Porach, M Turkovich. BusBuddy, a novel wheelchair securement system for public transportation. Transportation Research Board 91st Annual Meeting, ABE60, January 2012.
3. L van Roosmalen. RailRamp, an automatic bridge-plate for commuter rail systems. Transportation Research Board 91st Annual Meeting, ABE60, January 2012.
4. L van Roosmalen, E Porach, M Turkovich. Prevention of Wheelchair Tips and Passenger Falls in Public Transit Vehicles. Transportation Research Board 90th Annual Meeting, ABE60, January 2011.
5. A Kumar, L van Roosmalen. Forward Facing Wheelchair Containment and Occupant Retention System. School of Health and Rehabilitation Science Poster Contest (sponsored by the Dean's Student Advisory Board and the SHRS Dean's Office). April 27, 2010. (This poster received first prize in the category: Class Projects)
6. A Kumar, L van Roosmalen. Forward Facing Wheelchair Containment and Occupant Retention System. Conference on Technologies for Life and Living. Pittsburgh, PA. March 26, 2010.
7. State of Science Conference on Public Transportation at APTA, Cleveland OH, May 5, 2010.
8. State of Science Conference on Private Transportation at NMEDA, Reno NV, February 12, 2010.
9. L van Roosmalen. "Protecting Individuals with Disabilities from Injury During a Motor Vehicle Accident". ADED Pre-conference workshop. Reno, NV, February 9, 2010.
10. L van Roosmalen. "Proper Occupant Restraint Positioning". NMEDA. Instructional Course. Reno, NV, February 12, 2010.
11. A Lane and L van Roosmalen. "Driving with a Disability – Clinical and Technical Perspectives". POTA. Instructional Course. Pittsburgh, PA, October 30, 2009.
12. L van Roosmalen. "Risk in Paratransit". Presented at the 5-Star Loss Control Seminar in New York, October 2009.
13. L van Roosmalen and A Lane. "Driving with a Disability – Clinical and Technical Perspectives". ISS. Instructional Course. Orlando, FL, March 2009.
14. L van Roosmalen. "Wheelchair Transportation Safety". Presented at the 5-Star Loss Control Seminar in New York, February 2009.
15. L van Roosmalen. "Wheelchair Transportation Safety". Presented at the 5-Star Loss Control Seminar in New York, November 12, 2008.
16. L van Roosmalen. DA Hobson. "*Wheelchair Transportation Safety: Principles, Standards and Practice*", ISS. Instructional Course. Vancouver, BC, March 6th 2008.
17. L van Roosmalen. "Wheelchair transportation safety". ADED Conference. General Session. Dallas TX, July 30th 2007
18. L van Roosmalen. Driving Aides and Wheelchair Transportation Safety. AT Conference. Walter Reed Medical Hospital. May 2006.
19. L van Roosmalen. Design for an Accessible Universe. Alzheimer's Disease Research Center, University of Pittsburgh, April 13, 2006.
20. L van Roosmalen. Design Methods to Design for All. University of Pittsburgh, Swanson Center. Department of Bioengineering. Course in Product Realization, Oct. 2005.
21. DA Hobson, L van Roosmalen, ME Buning. Wheelchair Transportation Safety Workshop. International Seating Symposium, Orlando, FL, 2005.
22. RERC on Wheelchair Transportation Safety, State of the Science Workshop on Wheelchair Transportation Safety. January 2005.
23. L van Roosmalen. Wheelchair Transportation Safety. Seating and Mobility Workshop, Dept. of Rehabilitation Science and Technology, Univ. of Pittsburgh, PA, March 28, 2004.

24. L van Roosmalen, DA Hobson. Wheelchair Transportation Safety Workshop. International Seating Symposium, Vancouver, BC, Mar 4-5, 2004.
25. L van Roosmalen, ME Buning. Wheelchair Transportation Safety. POTA Conference, Pittsburgh, PA, October 3, 2003.
26. L van Roosmalen, D Ha. Wheelchair Transportation Safety. Workshop, Department of Rehabilitation Science and Technology, University of Pittsburgh, PA, September 14, 2003.
27. DA Hobson, L van Roosmalen. Wheelchair Transportation Safety Workshop. International Seating Symposium, Orlando, FL, Feb 27, 2003.
28. L van Roosmalen, GE Bertocci, L Schneider. Wheelchair Transportation Safety. Instructional Course at the annual RESNA conference, Minneapolis, MN, Jun 27, 2002.
29. L van Roosmalen, GE Bertocci, L Schneider, DA Hobson, MA Manary. Wheelchair Transportation Safety, Forum at the annual RESNA conference, Minneapolis, MN, Jun 30, 2002.
30. L van Roosmalen. Wheelchair Transportation Safety. Presentation for parents of children with disabilities at the Western Pennsylvania School for Blind Children, Pittsburgh, PA. April, 2002.
31. L van Roosmalen. Wheelchair Transportation Safety. Presentation for clinicians and engineers attending the instructional course related to the RERC on Wheeled Mobility at the University of Pittsburgh, Dept. of Rehabilitation Science and Technology, Pittsburgh, PA. January 11, 2002.
32. L van Roosmalen. Wheelchair Transportation Safety. Presentation for employees of the Western Pennsylvania School for Blind Children, Pittsburgh, PA. November 20, 2001.
33. L van Roosmalen. ATB Users' Group Conference, Wichita, Kansas, April 28, 2000: Bertocci GE, Evans J. Injury risk assessment of wheelchair occupant restraint systems in a frontal crash: a case for integrated restraints. Journal of Rehabilitation Research and Development 2000; 37(5):573-589.

Instruction and Scholarly Lectures

CLE course on transporting people with disabilities, Duquesne University
 Commercialization and Small Business Innovative Research, UPITT
 Interaction Design Fundamentals, CMU
 Product Ergonomics and Universal Design, UPITT and CMU
 Rehabilitation Engineering Design (www.design.pitt.edu), UPITT and CMU
 Injury Prevention in Wheelchair Transportation, UPITT and CMU

Peer Review Activities

Discovery Grants Division, Natural Sciences and Engineering Research Council of Canada
 Dept. of Education, National Institute for Disability and Rehabilitation Research Grant Review
 International Journal of Tele-rehabilitation
 Journal of Location Based Services
 Loughborough Innovative Manufacturing and Construction Research Centre
 Medical Engineering and Physics
 RESNA, conference proceedings, instructional courses, scientific paper and design competition
 Journal of Rehabilitation Research and Development
 Assistive Technology Journal
 Society of Automotive Engineers Proceedings
 Research in Engineering and Design Journal
 Delft Technical University
 Carnegie Mellon University, Student Design Competition
 Documentary for Discoveries and Breakthroughs Inside Science TV, American Institute of Physics