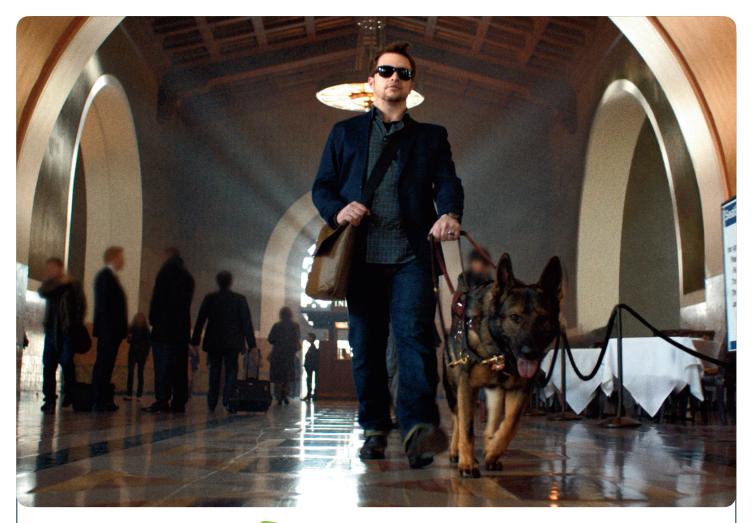


Conference Program



Association for Education and Rehabilitation of the Blind and Visually Impaired





Vanda Pharmaceuticals is dedicated to raising awareness of Non-24-Hour Sleep-Wake Disorder (Non-24) and supporting the blindness community. Non-24 is a rare circadian rhythm disorder affecting up to 70% of people who are totally blind. People living with Non-24 experience excessive daytime sleepiness and nighttime sleeplessness, which leads to impaired social and occupational functioning. This is due to the misalignment between the internal master body clock and the 24-hour day.

> COME VISIT US AT OUR BOOTH TO LEARN ABOUT NON-24 AND SIGN UP FOR ADDITIONAL INFORMATION!

CALL A HEALTH EDUCATOR TOLL-FREE AT 1-855-856-2424. 24 HOURS A DAY, EVERY DAY.



VISIT US ONLINE AT www.Non-24.com.

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Dear Conference Participants,

We are very pleased that you have chosen to join us in Pittsburgh for this extraordinary conference. The program committee and staff have worked hard to make sure that you will have a conference experience that meets and exceeds your expectations. We understand how valuable professional development is to your work and wanted to make sure that this conference will give you a chance to learn new ideas, gain a broader understanding of issues, and advance your skills.

Take time to review this program book. Here you will find a wealth of information that will help you prepare for each day of the conference. Remember, many of the presenters have uploaded handouts for their session on the conference webpage. Don't forget to visit the site for these handouts. In addition, we will post updates on the page daily as needed. From the opening session to the closing session and every event in between, all have been created with you in mind. Take full advantage of this chance to connect with your colleagues, pick up valuable resources and ask the crucial questions.

We wholeheartedly commend each of you for the work that you do each day. It is your dedication that helps to facilitate the most promising outcomes for persons who are blind or visually impaired. Never underestimate the value of you!

On behalf of AER, we wish you an enjoyable and enriching conference experience! We look forward to seeing you throughout the week.

Sincerely,

Catavero

Joe Catavero President, AER Board of Directors

Lou Tutt AER Executive Director

Welcome from the AER O&M Division Chair

Welcome O&M professionals! Visit the AER Orientation & Mobility Division table to find out more about Division activities and what is going on at the conference.

Tactile Map Competition

We would like this to become a tradition. We will be awarding prizes for tactile maps created by some of the conference attendees. Maps must be submitted by 3:00 pm on Thursday, July 20, at conference registration. Submit the information form with your map. Winning submissions will be announced at the morning general session on Saturday.

Division Business and Strategic Plan Meeting

We will hold a business meeting on the first day of the conference, July 19, at 5:30 pm. This will be followed by a presentation of the division strategic plan and a reception. The meeting agenda and strategic plan draft can be found on the AER O&M Division website.

Connect with the Division

Check out the O&M Division pages of Facebook and Twitter Check out the O&M outpost www.aerom.org

Contact me to get more involved with supporting our profession.

Justin Kaiser, Chair jkaiser@uscupstate.edu



Greetings from the Conference Program Chair

I'm excited to be able to welcome you to the AER International Orientation & Mobility Conference & Meeting 2017 here in Pittsburgh. The program committee has worked hard to ensure you have a variety of sessions to attend presented by some of our best professionals in the field.

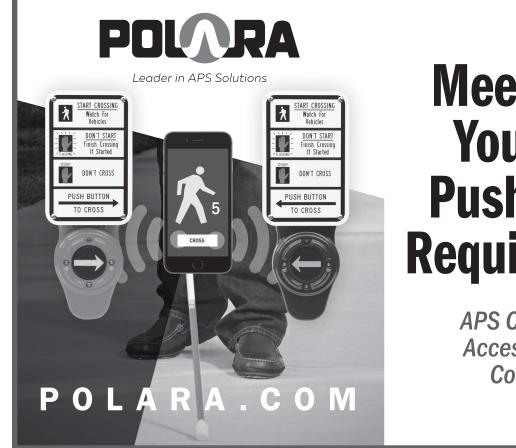
The Rick Welsh Memorial Luncheon is sure to be one filled with fond memories of this great leader. We have a special program planned that will celebrate his career and life.

I'd like to give a big thank you to the AER staff who have worked so hard to organize the activities and work with the hotel so that we have an enjoyable time in Pittsburgh.

And another big thank you to the members of the Penn-Del Chapter who helped with hotel staff training, bag stuffing and ideas of where to go in Pittsburgh for a great time.

I'm looking forward to reuniting with old friends and making new ones!

Susan Langendonk, Conference Planning Committee Chair



Meeting All Your ADA Pushbutton Requirements

APS Connectivity, Accessibility and Confidence While in Pittsburgh, we encourage you to set aside some time to take in the city sights. Experience the friendliness and pride of the people here and the energy and culture of the city. Pittsburgh has plenty of wonderful activities to satisfy any traveler's interest: outdoor adventures, professional sports, historical sites, a thriving cultural district, and some of the country's finest architecture.

Did you know?

- Pittsburgh Penguins are have 5 Stanley Cup Championships.
- The black rhino had a baby at the Pittsburgh Zoo and the Zoo has a fascinating aquarium.
- The Just Ducky tour uses a WWII amphibious vehicle for a land and water tour or we have Segway tours for those who those who want land tours.
- There are 30 international classrooms at the Cathedral of Learning at the University of Pittsburgh; tours are free.
- Pittsburgh has a large list of history and art museums including the Carnegie, the Andy Warhol, Fort Pitt Museum, Heinz History Center, Mattress Factory and the Carnegie Science Center.
- The Rivers Casino has been called "the best overall gaming resort," and is open 24 hours. Check out one of their concerts while in Pittsburgh.

A sample of popular restaurants includes:

- If you walk across the bridge from the conference hotel to the North Shore, you will find a number of restaurants. Jerome Bettis' Grille 36 (393 N. Shore Drive) has nearly everything on the menu. At Burgatory (342 N. Shore Drive) you can make your own burgers.
- Another option for burgers is **Tessaro's** (4602 Liberty Avenue) in Bloomfield, voted best burgers by Pittsburgh Magazine.
- In Downtown Pittsburgh, you'll find **Tako** (214 6th Street), which made the Best Restaurants list and **Sienna Mercato** (942 Penn Avenue) with its roof top oasis.
- In the Strip District, you will find the famous **Primanti Bros** (46 18th Street) with sandwiches that include french fries and cole slaw right on the sandwich.
- For fine dining, **Lidia's** (1400 Smallman Street, in the Strip District) has a tasty menu (try the pasta special of the day), the **Capital Grille** (301 5th Avenue) is frequented by local sports celebrities, and **Monterey Bay Fish Grotto** (1411 Grandview Avenue) on Mt. Washington has a beautiful view of the city.

Have fun and enjoy what Pittsburgh has to offer!

The Penn-Del AER Communication Committee

we're shaping a future of no limits. **be there.**

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Oakland City Center Marriott, Oakland, CA

www.afb.org/afblc



For sponsorship information, please contact Amanda Kolling • akolling@afb.net • 304-710-3031

AER Board of Directors and Staff

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Division Representatives

Related Services

Administration & Leadership, Psychosocial Services, Information & Technology, Low Vision, & Personnel Prep, International Services and Global Issues, Physical Activity and Recreation Olga Overbury, Montreal, QC Canada

Adult Services (22+) Rehab Counseling & Employment

Services, Vision Rehabilitation Therapy, & Division on Aging Neva Fairchild, Carrollton, TX

Instructional Services (0-21)

Multiple Disabilities and Deafblind, Infant & Preschool, Education Curriculum, & Itinerant Personnel Jill Brown, Crowley, TX

Large Divisions Orientation & Mobility Justin T. Kaiser, Spartanburg, SC

AER Staff

Lou Tutt, Executive Director Ginger Croce, Deputy Executive Director & Chief Marketing Officer Angela Smith, Senior Director, Professional Development & Internal Relations Nana Dankyi, Administrative and Internal Relations Coordinator

Conference Program Committee

Susan Langendonk, M.A, COMS (Program Committee Chair) Past Chair, AER O&M Division Independent Contractor, Michigan

Dr. Justin Kaiser, COMS Chair, AER O&M Division University of South Carolina Upstate Christopher J. Tabb, M.A., COMS Chair-Elect, AER O&M Division Statewide O&M Consultant Outreach Programs, Texas School for the Blind and Visually Impaired

Laura Bozeman, Ph.D., COMS, CLVT Associate Professor/Director: Vision Studies School for Global Inclusion and Social Development UMass Boston

Bonnie Dodson-Burk, COMS, TVI Pittsburgh Public Schools

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SCHOOL FOR THE BLIND **eLEARNING** AER sincerely appreciates our conference sponsors. Please express your appreciation when you connect with these organizations' representatives this week.





Vanda Pharmaceuticals, Inc.

Booth No. 25 2200 Pennsylvania Ave., N.W., Suite 300E Washington, D.C. 20037 202-734-3382 frances.fagan@vandapharma.com, www.vandapharm.com

Vanda Pharmaceuticals is working to advance the science of developing new medicines through novel approaches to address unmet medical needs and improve the lives of patients. The company produces Hetlioz[™] (tasimelteon) for the treatment of Non-24- Hour Sleep-Wake Disorder (Non-24). The drug is the first of its kind to target a circadian rhythm disorder that affects people who are blind and have no light perception.



Expanding possibilities for people with vision loss

American Foundation for the Blind

Booth No. 26 2 Penn Plaza, Suite 1102 New York, NY 10121 USA 304-781-3487 communications@afb.net, www.afb.org The American Foundation for the Blind (AFB) is a national nonprofit that expands possibilities for people with vision loss. AFB's priorities include broadening access to technology; elevating the quality of information and tools for the professionals who serve people with vision loss; and promoting independent and healthy living for people with vision loss by providing them and their families with relevant and timely resources.



FORREST T. JONES & COMPANY, INC.

Forrest T. Jones & Company, Inc.

Booth No. 14 14200 Park Meadow Drive, Suite 320-S Chantilly, VA 20151 USA Phone: 703-318-8189 mrwilliams@ftj.com, www.ftj.com

Forrest T. Jones & Company is the broker for the AER member benefits insurance program. This program consists of financial, legal, and insurance products designed specifically for AER members.



HumanWare

Booth No. 8 P.O. Box 800/1 UPS Way Champlain, NY 12919 USA 800-722-7273 info@humanware.com, www.humanware.com

HumanWare provides innovating solutions, empowering students and professionals who are blind or visually impaired. Products include the BrailleNote Touch; the new Brailliant14, 32, 40 and 80 cell braille displays, the Prodigi Connect 12 and explore portable video magnifiers; Victor Stream and new Victor Trek, the all-in-one talking GPS.



American Printing House for the Blind 1839 Frankfort Ave.

Louisville, KY 40206 USA 502-899-2257 info@aph.org, www.aph.org

American Printing House for the Blind (APH) is the world's largest nonprofit organization creating educational, workplace, and independent living products and services for people who are blind and visually impaired.

o aira

Aira

Booth No. 5 4250 Executive Square Drive San Diego, CA 92037 USA 858-876-2472 amy@aira.io, https://aira.io

Aira's goal is to develop leading technology and services that help remove remaining barriers for the visually impaired, expanding their possibilities to live with greater confidence and independence.

Conference Badges

Please remember to wear your conference badges at all times. Your badge will permit entrance and access to general sessions, educational breakout sessions, networking events, the exhibit hall and special events. Replacement badges are available at the registration desk. The badge replacement fee is \$25.

Registration & Help Desk (2nd Floor)

The desk will be open daily during the conference.

Wednesday, 7/19/17	8am-5pm
Thursday, 7/20/17	7:30am-5pm
Friday, 7/21/17	7:30am-5pm
Saturday, 7/22/17	7:30am-1pm

Continuing Education (CE) Certificates

A continuing education tracking form was provided with your registration items. Please remember to complete the form and the evaluation; and return them to the conference registration desk prior to your departure. If you wish to return the CE tracking form and evaluation at a later time, please follow the instructions located on the form. To receive full credit, you must attend the entire session and log the session's opening and closing codes that will be provided by the presenter. The opening code will be provided at the beginning of the session and the closing code will be provided at the end. In addition, you must complete an evaluation for each session that you attend. Electronic evaluations are available upon request by emailing nana@aerbvi.org. Once your CE form is processed by AER central office staff, a <u>Continuing Education Certificate</u> will be sent via email to you (unless otherwise specified). For questions or additional assistance, please contact Angela Smith at (703) 671-5873 or angela@aerbvi.org.

Conference Certificates

Your Certificate of Participation is located in the back of the conference program book.

Photographic and Video Images

Registration and attendance at, or participation in, AER conferences and other activities constitutes agreement by the participant to allow photographs and videos, if taken, to be used and distributed (both now and in the future) by AER for the purpose of sharing with the membership in some form and for some related purpose.

Sessions, exhibits and special events have been selected to provide a maximum learning experience for conference participants. Please note that the ideas presented do not necessarily reflect AER's official position. AER assumes no responsibility for any statement of fact or opinion presented during the conference nor does acceptance of advertising, exhibits, or sponsorships imply endorsements of any products or services by AER.

Program Schedule Changes

Schedule changes will be posted on the AER conference website at <u>http://bit.ly/AEROM17_ConfSchedule</u>.

Exhibit Hall (2nd Floor)

 Thursday, 7/20/17
 7:30am-5pm

 Friday, 7/21/17
 7:30am-5pm

Please make every effort to stop by each exhibitor's booth and thank them for their support. Visit at least 20 booths for the chance to win prizes, which will be announced during the Friday afternoon break.

Guide Dog Information & Supplies/Veterinarians

For your convenience, there are two primary dog relief areas, located immediately outside the main front entrance. Should you need other items or services, the following are located near the downtown Pittsburgh area:

Supplies

Petagogy 5880 Ellsworth Ave., (412) 362-7387

Petland Village of East Side 6401 Penn Ave., (412) 363-7387

Pet Valu 2738 Sidney St., (412) 315-7387

Veterinarians

Penn Animal Hospital 2205 Penn Ave., (412) 471-9855

Greenfield Veterinary Hospital 611 Greenfield Ave., (412) 422-7755





www.seedlings.org 800-777-8552 info@seedlings.org PO Box 51924, Livonia, MI 48151

Special Events

Opening Session "*Orientation & Mobility*" Wednesday, 7/19/2017

10:30am-12pm

Location: Grand Ballroom 1

Kick off the conference with the opening session featuring Dr. Steven Shladover.

AER Orientation & Mobility Division Meeting Wednesday, 7/19/2017

5:30-7:30pm

Location: Grand Ballroom 1

Calling all division members! If you are an AER Orientation and Mobility Division member, don't miss this chance to be brought up to date on division activities and hear reports and other business brought before the membership and so much more.

Opening O&M Reception Immediately Following the Business Meeting

Location: Ballroom 3&4

Come connect with colleagues old and new at the conference welcome reception. There will be savory treats and is open to all conference participants.

Networking Breakfast Thursday, 7/20/2017 7:30-9am

Location: Exhibit Hall (2nd Floor) Grab breakfast and connect with your O&M peers - old and new! Networking is a powerful catalyst for success. Don't miss this chance to enjoy meaningful conversations, catch up with old friends and build new relationships. Open to all conference participants.



Expanding possibilities for people with vision loss

Reception Hosted by the American Foundation for the Blind Thursday, 7/20/2017 5:30-7pm Location: Ballroom 4



FORREST T. JONES & COMPANY, INC.

Networking Breakfast Hosted by Forrest T. Jones Friday, 7/21/2017 7:30-9am

Location: Exhibit Hall (2nd Floor) Join your colleagues for breakfast. This is a prime networking opportunity to meet up with colleagues from around the globe. Don't miss this chance to enjoy meaningful conversations, catch up with old friends and build new relationships. Open to all conference participants.

Rick Welsh Memorial Luncheon

(Ticket Purchase Required) Friday, 7/21/2107, 12-2pm Location: Ballroom 1

Remembering a legend! During this luncheon we will honor the memory of Rick Welsh and re-visit his expertise, humor, and impact on our profession. Rick was a mentor to many leaders in the field. He was committed to growing the profession and providing support to those offering services. Rick is often credited as being the father of AER since he was an officer on the board at the time of the merger between AAWB and AEVH. He was instrumental in combining the two organizations, and served as AER's first president.

AER Board Meeting Friday, 7/21/2017, 7-10pm Location: Chartiers

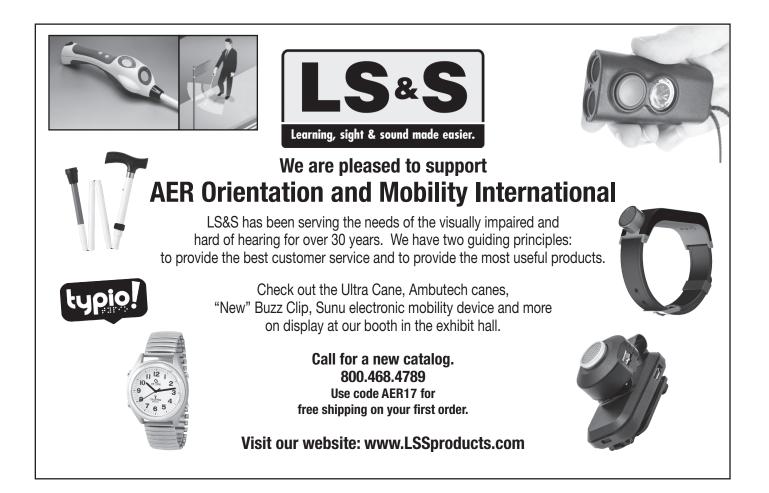
Networking Breakfast Saturday, 7/22/2017 7:30-8:30am Location: Ballroom 1-2 Be sure to arrive on time. Grab your breakfast and take time to meet up with colleagues. This breakfast event will end with a general session. The presentation will start at 8:30am. Open to all conference participants. General Session Presentation Saturday, 7/22/2017, 8:30-9:30am Location: Ballroom 1-2

Poster Session Saturday, 7/22/2017, 9:45-10:45am Location: Ballroom 4 Open to all conference participants.

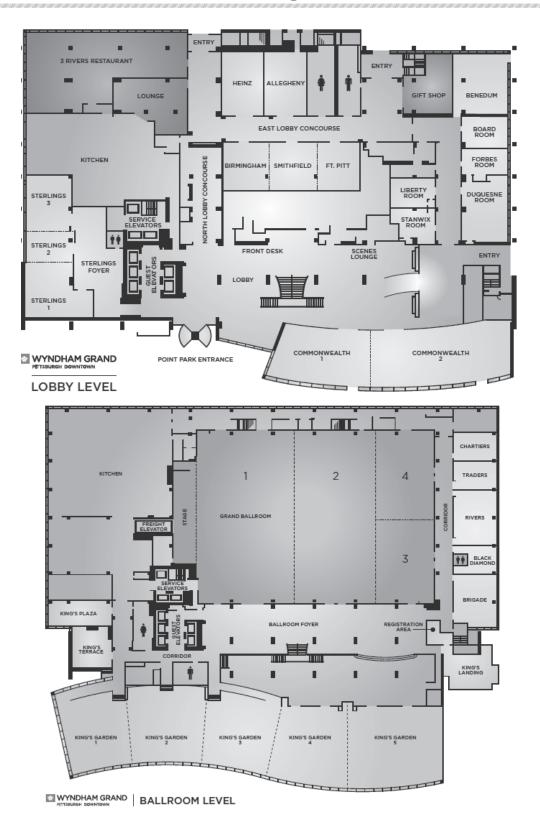
Closing General Session Saturday, 7/22/2017, 3:30-5pm Location: Ballroom 1-2

Closing "Tea" with Vera Jones presenting the keynote address: "Work - Life - Balance."

Wrap up the conference with the very notable Vera, as she explores Work, life and balancing it all. Refreshments provided.



Conference Meeting & Event Rooms



Conference Schedule at a Glance

Wednesday, 7/19		
8am-5pm	Conference Registration	2 nd Floor
10:30am-12pm	Opening General Session	Ballroom 1-2
12-1:30pm	Lunch on Your Own	
1:30-3pm	Educational Sessions	
3-3:30pm	Networking/Break	
3:30-4:30pm (some longer)	Educational Sessions	
5:30-7:30pm	Business Meeting & Reception	Ballrooms 1, 3-
Thursday, 7/20		
7:30-9am	Breakfast (Exhibit Hall)	Ballroom 2-3
7:30am-5pm	Exhibit Hall	Ballroom 2
9-10am	Educational Sessions	
10-10:30am	Networking/Break	
10:30am-12pm	Educational Sessions	
12-1:30pm	Lunch on Your Own	
1:30-2:30pm	Educational Sessions	
2:30-3:30pm	Exhibit Hall Break	
3:30-4:30pm	Educational Sessions	
Friday, 7/21		
7:30-9am	Breakfast (Exhibit Hall)	
7:30-6pm	Exhibit Hall	
9-10am	Educational Sessions	
10-10:30am	Networking Break	
10:30am-12pm	Educational Sessions	
12-2pm	Lunch or Rick Welsh Luncheon	Ballroom 1
2-3pm	Educational Sessions	
3-3:30pm	Networking/Break	
3:30-5pm	Educational Sessions	
7-10pm	AER Board Meeting	Chartiers

Saturday, 7/22		
7:30-8:30am	Breakfast	Ballroom 1
8:30-9:30am	General Session	Ballroom 1
9:45-10:45am	Poster Session	Ballroom 4
11-12pm	Educational Sessions	
12-1:30pm	Lunch on Your Own	
1:30-3pm	Educational Sessions	
3-3:30pm	Networking/Break	
3:30-5pm	Closing General Session & Tea	Ballroom 1



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HARNESSING THE POWER OF PARTNERSHIP

Guide Dogs for the Blind

guidedogs.com

Guide Dogs for the Blind (GDB) is more than an industry-leading guide dog school; we are a passionate community that serves the visually impaired from throughout the U.S. and Canada. All of our services are provided free of charge, including veterinary assistance as needed.

2017 is a very special year for GDB because it is our 75th anniversary! Since 1942, our goals have remained the same: to increase independence, mobility, and safety for our clients and we have had the honor and privilege of serving more than 14,000 clients during this time.

GDB is a resource for people to get the proper referrals to O&M training prior to acceptance into our program so that when they arrive, they are prepared for success. Our goal is to help understand their mobility options and prepare for a partnership with a guide dog.

We would like to partner with you! Please visit our website at <u>guidedogs.com/OandM</u> to learn about our programs designed for orientation and mobility specialists, including:

- Guide Dog Lifestyle
 Workshops
- O&M Seminars (qualifies for continuing education credits)

Wednesday Events 7/19/2017

Opening General Session Special Presentation & Panel 10:30am-12pm Location: Ballroom 1

Dr. Steven Shladover has been researching road vehicle automation systems for more than 40 years, beginning with his masters and doctoral theses at M.I.T. in the 1970s. He is the Program Manager, Mobility at the California PATH Program of the Institute of Transportation Studies of the University of California at Berkeley. He led PATH's pioneering research on automated highway systems, including its participation in the National Automated Highway Systems Consortium from 1994-98, and has continued research on fully and partially automated vehicle systems since then. This work has included definition of operating concepts,



modeling of automated system operations and benefits, and design, development and testing of full-scale prototype vehicle systems. His target applications have included cooperative adaptive cruise control, automated truck platoons, automated buses and fully-automated vehicles in an automated highway system.

Dr. Shladover joined the PATH Program in 1989, after 11 years at Systems Control, Inc. and Systems Control Technology, Inc., where he led the company's efforts in transportation systems engineering and computer-aided control engineering software products. He chaired the Transportation Research Board Committee on Intelligent Transportation Systems from 2004-2010, and currently chairs the TRB Committee on Vehicle-Highway Automation.

1-5pm, 7/19/17

Workshop on Innovative Street Designs and Accessibility Room: Commonwealth 2 (Pre-registration Required) Janet Barlow, Billie Louise Bentzen

This session is part of a project of the U.S. Federal Highway Administration to look at how some of the new and emerging street designs meet the needs of people with disabilities, specifically regarding navigation for pedestrians with vision disabilities. As part of this workshop, we'll go to a nearby shared street and consider some of the issues, discuss possible solutions, and note areas and issues where research is needed.

1:30-3pm, 7/19/17

ID Canes: A Roundtable Discussion on Applications and Practices Room: Commonwealth 1

Ryan McNerney, Erin Kavanagh, Danielle Gilbert, Paul Hanny

This roundtable discussion encourages O&M instructors and consumers to explore the origins of the ID cane, techniques being taught by O&M instructors, how ID canes are currently being used by those who accept them, and discuss whether or not the ID cane should have a place in O&M instruction.

Traveling More Independently Using RideShare Services Room: Birmingham

Michael May, Malcom Glenn

Learn about Uber RideShare, which can help people who are blind quickly and safely summon and use a vehicle to travel independently. Mike May, a pioneer in independent travel, is an avid Uber user. Learn how the service works, hear from other users what they like and what they would like to see improved. Clarify hearsay you may have gotten about what the media calls a disruptive technology.

Pedestrian Enhancements Which Impact Pedestrians Who Are Legally Blind Room: Smithfield/Fort Pitt

Margaret Rose Hagearty Robertson

COMS need to understand different pedestrian enhancements which are being designed for the communities our consumers travel in. There are many different design options which may or may not assist pedestrians who have a vision loss or blindness. As the vision professionals, we need to know what the options are, best practices and the different pedestrian enhancements which may impact the pedestrians we work with.

Scanning with Visual Field or Acuity Loss – Mundane to Life-Saving Skills Room: Kings Garden 1

Dona J. Sauerburger

People with severely a restricted visual field, central scotoma, or acuity loss need to adapt their scanning technique to find objects such as approaching vehicles, including slow scanning; eccentric viewing; and holding the glance. Come learn about these challenges and some systematic procedures that can quickly teach people the visual skills they need -- hands-on experience may be provided.

Rehabilitation through 1Touch Self-Defense Room: Kings Garden 2 *Ricky Jones*

The confidence to travel, work, and socialize is frequently poorly addressed for those with visual impairments, and few programs have been developed specifically to address this gap. 1Touch is based in its integration of physical activity, which is inextricably entwined with the concept of self-defense and self-development. Instructors use 1Touch as a means to enhance the underlying principles of independence and the confidence to engage the world in everyday activity.

Creating Simple Tactile Maps Using a 3D Pen Room: Kings Garden 3

Nicholas Leon

Emerging 3D technology is providing new ways to create tactile diagrams and 3D pens are an effective and affordable tool to efficiently produce simple tactile maps. Get the opportunity to try out this technology and learn how it can be used in your profession.

Orientation & Mobility Collaborations with the Adapted Physical Educator Room: Kings Garden 4

Maria Lepore-Stevens, Monica Lepore

Interactive demonstration of Orientation and Mobility instructors and Adapted Physical Educators working together to help students with visual impairments make gains in the areas of locomotor movements, proprioception, independent movement, concept development, and sensory efficiency skills.

Innovative New Tool for Determining Type and Amount of O&M Services Room: Kings Garden 5

Rona Pogrund, Shannon Darst, Heather Munro

A new tool, the O&M Visual Impairment Scale of Service Intensity of Texas (O&M VISSIT), was developed to guide itinerant O&M specialists in determining the type and amount of service to recommend for their students based on student need from evaluation data. This presentation will detail the purpose of the scale, demonstrate its use, and report the preliminary findings of its initial validation study.

3:30-4:30pm, 7/19/17

Emerging Accessible Indoor Navigation Technologies Room: Birmingham *Mike May*

Through a federal grant from the U.S. Department of Health and Human Services, NIDILRR SBIR, Sendero Group and a team of indoor navigation specialists (Boni, Blindsquare, indoo.rs, Radius, NFB, SF LightHouse) aim to enhance existing outdoor navigation systems by developing an application that will provide orientation and location information indoors where GPS is unavailable. The resulting research and technology from the project to date will be discussed and if available demonstrated.

Informal Field Assessments for Orientation & Mobility: Early Warning or Peripheral Constriction Room: Smithfield/Fort Pitt

Rajiv Panikkar

Providing informal assessments to determine peripheral constriction for individuals with low vision to enable them to negotiate in a variety of environments safely and efficiently. This assessment measures how much of an individual's functionally blind area is affecting early detection of objects or people. This is a measure of peripheral or side vision performed in everyday environments, keeping head and eyes for individuals with known or suspected constricted visual fields.

Active Learning Approach to Orientation and Mobility Instruction Room: Kings Garden 1

Kate Moss Hurst

Active Learning is an instructional approach developed by Dr. Lilli Nielsen of Denmark that targets individuals who are visually impaired with additional sensory, motor and cognitive impairments and who function at development levels between birth and 48 months (sensorimotor/pre-operational learners). This session provides information on how Active Learning can be used in O&M instruction and also about Active Learning Space, a resource for learning more about Active Learning,

O&M in a Service Delivery Model for Visually Impaired in Inclusive Environments Room: Kings Garden 3

Ute Hoelscher

Orientation and Mobility is a worldwide service needed by people who are blind and visually impaired. The service is usually provided through one-on-one sessions. A service delivery model, the State Outreach Center for Visually Impaired is unique in its structure for inclusion of blind and visually impaired students in the German system. It

demonstrates how O&M services for students in inclusive settings works with peer groups and professional exchange.

Physical Therapy and O&M, A Partnership to Optimize and Strengthen Movement Room: Kings Garden 4

Tyler Kallasy, Cara Kernoschak

A quality multidisciplinary approach to blindness rehabilitation includes embracing Physical Therapists (PT) as active members of the Rehabilitation Team. Learn more about the Physical Therapy profession and the strong correlation it has with Orientation and Mobility. Understand how PT's can positively influence O&M services, strengthen programming and improve the patients' overall rehabilitation success. Presenters will share examples of successful Adaptive Sport and Recreation programming.

3:30-5:30pm, 7/19/17

Moving Forward : Orientation, Mobility, APH and You! Room: Commonwealth 1 Dorinda Rife, Amy Parker, Janie Blome

APH needs your input! After learning about current products available from APH, we'll take a deep dive into the immediate and long term needs of the field to determine future directions for products, partnerships, and creative solutions to the challenges facing professionals across the field of O&M. Help APH move forward by offering creative guidance for communication, collaborations and instructional aids and materials to

address your needs and concerns.

Challenges and Strategies of Teaching Students with Disabilities in University Blindfold/Cane Courses

Room: Kings Garden 5

Nora Griffin-Shirley, Anita Page, Laura Bozeman, Jessica Stepp

This presentation is focused on challenges faced by students with disabilities enrolled in blindfold/cane courses and the instructors who teach these classes. Additionally, strategies instructors use to increase the teacher effectiveness and monitoring skills of students with disabilities in blindfold/cane courses will be identified by the session panelists and the audience. Future research ideas regarding this topic will be formulated by the group.

AER O&M Division Meeting Wednesday, 7/19/2017 5:30-7:30pm Location: Grand Ballroom 1 Opening O&M Reception Immediately Following the Business Meeting Location: Ballroom 3&4

Orientation & Mobility for Wheelchair Users With Visual Impairment or Blindness



Web-based publication helps O&M instructors learn how to train students who are wheelchair users to travel safely and effectively.

Website includes:

- Expert instruction from author Scott Crawford
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Thursday Events 7/20/2017

9-10am

Tandem Cycling: Mobility in Motion Room: Commonwealth 1

Joseph Scharf, Daniel Phillips

Are you an O&M instructor or other rehabilitation professional who enjoys cycling? Would you like to learn how to pilot a tandem bike or teach others to ride? This presentation will share with attendees the fundamentals of a quality instructional program, how to start a cycling club or team and opportunities for engagement in your community.

Beyond Your Expertise: What's Your Superpower? Room: Commonwealth 2

JoAnne Chalom

What can you do beyond your expertise? Are you willing to step out of your comfort zone? Come explore opportunities that could impact permanent change, such as advocating for clients, becoming a member of an airport accessibility committee, publishing newsletter articles, exploring leadership opportunities, or decoding complex language and rules to influence standards development.

Are You Maximizing the Potential of Your Program and Staff? Room: Birmingham Matthew Hogel

Understanding the benefits of the Commission on Accreditation of Rehabilitation Facilities (CARF) accreditation & survey process and using it to your program's advantage.

A Tactile Surface to Help in Locating Crosswalks and Aligning to Cross Room: Smithfield/Fort Pitt

Billie Louise (Beezy) Bentzen, Janet M. Barlow, David Guth, Richard Long, Jennifer Graham

A guidance surface has been found to improve the accuracy of blind travelers for locating crosswalks and aligning to cross at challenging locations such as roundabouts, channelized turn lanes, and mid-block crossings. Research will be presented, and participants will have the opportunity to experience the surface.

Efficacy to Teach Individuals Who are Blind and VI Self-Defense Room: Kings Garden 1 Tessa McCarthy

Traditionally, martial arts and self-defense courses are not taught in an accessible format. The 1Touch Project is a self-defense program created to address the specific needs of individuals who are blind and visually impaired. The study that will be discussed in this presentation was conducted to gather pilot data on the efficacy of skills training as well as the psychosocial benefits of the program.

What Works for O&M Screenings and Referrals Room: Kings Garden 2

Justin T. Kaiser

This session focuses on the typical process for identifying and referring students for O&M assessments. The presenter will discuss screening methods and forms and how O&M professionals can collaborate throughout this process. There will also be discussions on how this process looks different depending on the state.

The O&M Specialist and Braille: Point-Counterpoint Room: Kings Garden 3 William M. Penrod, Nora Griffin-Shirley, Kevin Hollinger

This will be a frank and honest presentation where a panel member will rationalize his/her opinion as to the necessity of knowing braille when teaching O&M and then the other side will be given an opportunity to offer rebuttal, agreement, or contrasting opinion. Panel will address questions from the audience.

A Driver's Perspective on Transporting Persons with Visual Impairments on Public Buses Room: Kings Garden 4 Danene Fast

The research study being presented examines the knowledge of public transportation workers about persons with a visual impairment, driver attitudes toward blindness, and knowledge about interactions with blind travelers who utilize public transportation.

Nearby Explorer: Discovering the World Around Me Room: Kings Garden 5 Keith Creasy

An employee from APH discusses the Nearby Explorer app. This product, available from well-known manufacturers, is designed specifically to meet the needs of travelers who are blind. The focus is on how blind pedestrians can use it for orientation, navigation, and independent use of transit systems. Also covered are its features for

indoor use. Some important features include Geobeam, route information for public transit in many cities, turn-by-turn navigation, and more.

10:30am-12:00pm, 7/20/17

A Look at Guide Dog Questions and Mobility: Experiences from the Field Room: Commonwealth 1

Gretchen Fisher Orr

Teaching Orientation and Mobility to a dog guide handler presents unique challenges and considerations. Through personal experience, case studies, and Q&A, we will provide you with information about structuring a successful lesson and addressing the issues which tend to arise. We will also address some of the most common questions for clients about when and when not to apply for a dog guide.

How Technology Can Enhance Spatial Cognition Room: Commonwealth 2

Christopher J. Tabb

What can be done to prevent challenges with spatial cognition? Are their tools that can be used to facilitate greater awareness of one's current travel environment? We will connect resources that are presently available as well as technologies that are just on the cusp of development.

O&M for Life: Orientation and Mobility for Older Individuals with Visual Impairment Room: Birmingham

Nora Griffin-Shirley, Anita Page, Laura Bozeman

Participants will engage in a simulation activity that will highlight some of the challenges faced by older adults when traveling. A discussion of this simulation will provide opportunities for participants to problem-solve concerning effective instructional strategies and interventions that can assist the COMS when providing instruction to this older population. Specific topics we will address include fall prevention, importance of exercise, effective teaming strategies, age-friendly environments, and future directions.

Accessible Pedestrian Signals (APS) and Detectable Warning Surfaces (DWS) Room: Smithfield/Fort Pitt

Janet M. Barlow, Billie Louise (Beezy) Bentzen

APS and DWS are being installed in many cities in the U.S. and are intended to help pedestrians who are blind or who have low vision. Even in new installations, there are many issues and problems that need to be resolved. We'll present some information,

then ask participants to share their experiences, ask questions and work together to brainstorm solutions to some difficult installation situations.

What is the Transportation Research Board and How Does it Impact O&M? Room: Kings Garden 1

JoAnne Chalom, Meg Robertson

Members of the O&M Environmental Access Committee frequently attend the Transportation Research Board Annual Meetings in Washington, D.C. O&M professionals offer input on the needs of pedestrians who are blind at these meetings, which impacts all pedestrians in transportation design, research and implementation. Discover our role as educators and advocates in a sea of transportation planners, traffic engineers and researchers and what local input COMS can have in their communities.

Travel Training Needs Assessment for O&M Specialists (Roundtable Discussion) Room: Kings Garden 2

Kristi McLaughlin

Orientation & Mobility specialists are increasingly being asked to provide travel training to persons with multiple types of disabilities on how to ride public and private transportation. Join this roundtable discussion, led by Easterseals Project Action Consulting, to identify the needed resources, training, and technical assistance to increase the opportunities for professional development of O&M specialists in the travel training field.

STEPping into Activities with Texas 2 STEPS (Successfully Teaching Early Purposeful Skills) Room: Kings Garden 3

Stephanie Walker, Jill Brown, Marije Wood

Got babies? We have the tool for you! Texas 2 STEPS, an Orientation and Mobility (O&M) evaluation and curriculum, is the synthesis of years of collaboration and well over a century of combined hands on, professional experience all going into one comprehensive tool. Texas 2 STEPS addresses the unique O&M learning needs of our youngest students. Come take a sneak peek at the evaluation and curriculum.

Protect Your Personal and Business Assets Room: Kings Garden 4 *Mike Williams*

This session will simplify insurance, making it easier for attendees to define their insurance needs, thus protecting their assets from liability.

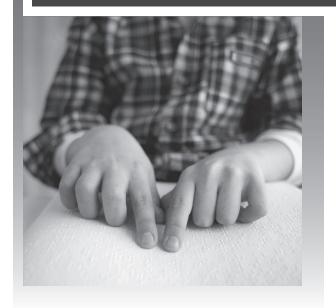


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PA OVR Bureau of Blindness & Visual Services celebrates our partnership with AER. Connections creating career opportunities of a lifetime.

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1:30-2:30pm, 7/20/17

How Do You Celebrate White Cane Day? Awareness and Outreach Activities. Room: Commonwealth 1 *Margaret Robertson*

White Cane Day falls on October 15 each year & is a day to celebrate and raise awareness of the O&M profession, the white cane and the independence it provides and the white cane law. Come learn what one agency has done to educate the public on the white cane law, O&M and environmental access issues. Bring your ideas so we can brainstorm how to expand white cane awareness activities.

Guide Dog Preparedness for Students: How to Know Which Students are Ready Room: Commonwealth 2

Margaret Winn, Christie Bane, Leslie Hoskins

Is your student guide dog ready? Guide dog readiness will be discussed through video assessments and reviewed in a collaborative approach from a GDMI & COMS from Leader Dog. Topics include pros/cons of guide dog use, considerations for students, International Guide Dog Federation (IGDF) and Leader Dog specific standards, methods to prepare students for guide dog mobility. Additional topics will include researching organizations and differences between programs and service models.

A Case for Student-Created Portfolios in O&M Room: Birmingham Fabiana Perla

This presentation describes the potential benefits of student-created portfolios for O&M instruction, emphasizing their role in promoting student ownership and teacher-family communication. In addition, O&M portfolios can have significant impact on student self-advocacy, provide continuity of learning when shared with new O&M instructors or other related professionals, and during transition times. Suggestions for constructing individualized portfolios will be presented and illustrated with real life examples.

Learning to Move: Moving to Learn: Early Orientation Development Skills Room: Smithfield/Fort Pitt

Tanni Anthony

Developmental orientation and mobility programming for infants, toddlers, and preschoolers requires a comprehensive understanding of both early cognitive development and the potential impact of pediatric blindness/visual impairment upon the developing child's acquisition of self-identity and spatial awareness concepts. The session will address research-based tenets of the early orientation development for young children with visual impairment and highlight key intervention strategies to support early orientation concept acquisition.

Engaging the Family in the O&M Process: Communicate, Educate, Empower Room: Kings Garden 1

Hong "Nana" Phangia Dewald, Linda Breeden, Bethany Whittington

Get motivated to use the best O&M ally ever created – the family. Learn about resources, creative ideas, and communication strategies from a professional's and parent's point of view. Whether our students are 7 months, 7 years, or 17, family members can assist in the quality and amount of teaching and intervention that takes place to help support student O&M development throughout the family's everyday lives.

Overcoming Reluctance to Long Cane Use Room: Kings Garden 2 *Raychel E. Callary*

People with low vision often demonstrate that they would benefit from a long cane, but can be reluctant to consider its use. This presentation will include strategies to engage a learner by building rapport, identifying specific ways in which the learner would benefit from a long cane and communicating these effectively, and utilizing information about motivation. Steps will be provided to implement these strategies while respecting the need for self-determination.

Become a Leader in Adaptive Sports and Recreation Room: Kings Garden 3

Kathy Beaver, Mitchel Hansen, Laura Yakey, Alexandra Davis, Megan Marshall

One of the cornerstones of Orientation and Mobility instruction is kinesiology and sensorimotor development. With O&M Professionals as Program Leaders, positive progress can be achieved through engagement in Adaptive Sports and Recreation. Learn how one organization redefined and expanded the O&M scope of practice to improve the quality of services for adults and children.

1:30-4:30pm, 7/20/17

Teaching and Reinforcing the Fundamental Concepts of Orientation & Mobility with BlindSquare Room: Kings Garden 4 Andrea Bodnari

Where Am I?" and "What are my choices in that direction?" Learn how BlindSquare can be used to teach O&M concepts. Experience indoor navigation using Beacon messaging and QR technology to teach and reinforce body positioning, directionality, room orientation and relative distance. Come outside for a walk with BlindSquare,

3:30pm-4:30pm, 7/20/17

Infant Mobility: More than Child's Play Room: Commonwealth 1 *Tamara Greenwood*

This presentation illustrates how young children develop, move and transition to become actively engaged in their environment. Educators may benefit from this information to provide more appropriate intervention to improve active engagement in children with sensory impairments.

The Missing Link between O&M and Self Defense for Visually Impaired Persons. Room: Commonwealth 2

Scott E. Williams-Riseng

This presentation will include issues this O&M specialist has faced with clients who are afraid to travel outdoors independently due to security concerns, ways security concerns can seriously affect O&M training, and how 1Touch self-defense training was provided to about 50 VI persons at the Cleveland Sight Center. Finally, Stephen Nicholls, Executive Director of 1Touch, will describe the self-defense training.

Making the Leap! Moving from Direct Service Provider to Leadership Positions Room: Birmingham

Matthew William Hogel

This presentation will provide information about leadership qualities and what strategies a direct service provider can take to enhance their own leadership skills and work towards the transition to employment as a supervisor, program manager, or administrator.

Honoring Innovation Hodgepodge: Spatial Orientation, Risk, and Teaching Strategies Room: Smithfield/Fort Pitt *Melanie Hughes*

Sharing strategies developed over the last 20 years. Teaching Turns addresses children and adults with spatial disability. Through case studies I will demonstrate that this life limiting disability can be corrected. Participants will receive my curriculum. Utilizing Risk

discusses various practical ways to implement knowledge of risk strategies in the field. Basic Techniques will be a discussion about changes that we have discovered as alternative or supplemental strategies.

Self-Reflection Process of O&M Students on their Teaching: Implications for Personnel Preparation Room: Kings Garden 1

Silvia Correa-Torres, Paula Conroy

Effective teaching in orientation and mobility (O&M) involves good observational skills and well-timed and appropriate questioning techniques that promote problem-solving abilities. The capability of pre-service O&M students to correct errors in technique execution might not be as sophisticated as experienced practitioners. The purpose of this study was to examine the thought-process and decision-making that drives instructional decisions of pre-service O&M students.

International O&M Certification and COMS Internship Requirements Room: Kings Garden 2

Kevin Hollinger, Dr. William Wiener, Mickey Damelio

The Academy of Certification of Vision Rehabilitation and Education Professionals (ACVREP) administers a certification program, COMS, for O&M professionals within the USA and Canada. Though a pathway also exists for professionals who meet specific criteria regardless of nation of origin to attain COMS, the ACVREP Board of Directors charged their O&M SME Committee to develop international, country-specific or regional-specific certification as well as a revision to the COMS internship requirements.

Survey Says! O&M and Technology What Are You Using...? Room: Kings Garden 3 Jennifer L. Edgar

If you have ever wondered what technology other O&M Specialists are using, then come hear what the "Survey Says!" I've compiled survey results of technologies O&M specialists are currently incorporating into their O&M lessons. The survey explored online resources, use of phones and tablets, and apps. The session will present survey findings, and review apps.

Coming Soon from AFB Press!

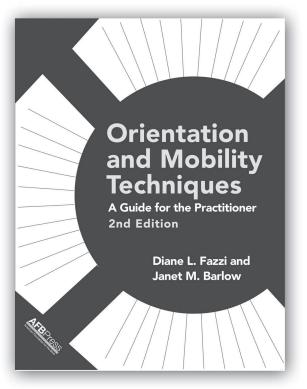
Orientation and Mobility Techniques A Guide for the Practitioner 2nd Edition

Diane L. Fazzi and Janet M. Barlow

The very first techniques book in orientation and mobility has been completely revised and updated for today's fast-changing world, while remaining true to Hill & Ponder's simple organizational principles that generations have known and loved. Here's what you can expect in this new edition:

- A new, easy-to-read color format with photographs
- Updated information on street crossings at complex intersections
- A new chapter on O&M for people with low vision

Whether you are a student or fan of the original book or new to the field of O&M, this revised edition is a must-have for your professional library.

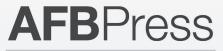


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Introducing our first revision to the 1976 Hill & Ponder classic O&M textbook!





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Friday Events 7/21/2017

O&M Track Day

There are four sessions divided into two tracks: A & B. Both tracks include the same sessions, but offered at different times. Select a track A or B and attend those sessions.

9-10am

O&M for Students who are Deafblind with Significant Additional Learning Challenges Room: Kings Garden 4 (Track A) Wendy Sapp

Children who are deafblind with additional learning challenges are often underrepresented in O&M. Many professionals and families mistakenly assume these children do not have pre-requisites necessary for O&M or that their level of independence is not sufficient to need O&M. Participants will leave this session able to understand and articulate the need for O&M for this population, multiple models of service delivery, and a variety of teaching strategies and techniques.

Blind Pedestrians' Impact on Yielding of Drivers at Street Crossings: What Works?

Room: Kings Garden 5 (Track B)

Robert Wall Emerson, Eugene Bourquin, Janet Barlow

This presentation will discuss a line of research into pedestrian behaviors and how they impact driver yielding.

10:30am-12pm

Learning to Move: Moving to Learn: A Focus on Early Mobility Skills Room: Kings Garden 4 (Track A) Tanni Anthony

All children must learn to move so that they can use their mobility to explore and learn. This session will address the developmental motor phases and needs specific to Orientation and Mobility for very young children who are blind/visually impaired. Information will be offered about inherent motor development challenges tied to pediatric visual impairment and support strategies key to addressing these needs.

Using Simulation Software to Teach Students How to Deal with Uncontrolled Crossings Room: Kings Garden 5 (Track B) Laura Zierer, Dona Sauerburger

APH is excited to debut a software program that provides instructions and simulations to help you prepare your students for crossings with no traffic control. Come and experience simulation exercises and, and learn about a process for instruction that you can use with your students!

2-3pm, 7/21/17

O&M for Students who are Deafblind with Significant Additional Learning Challenges Room: Kings Garden 4 (Track B) Wendy Sapp

Children who are deafblind with additional learning challenges are often underrepresented in O&M. Many professionals and families mistakenly assume these children do not have pre-requisites necessary for O&M or that their level of independence is not sufficient to need O&M. Participants will leave this session able to understand and articulate the need for O&M for this population, multiple models of service delivery, and a variety of teaching strategies and techniques.

Blind Pedestrians' Impact on Yielding of Drivers at Street Crossings: What Works?

Room: Kings Garden 5 (Track A)

Robert Wall Emerson, Eugene Bourquin, Janet Barlow

This presentation will discuss a line of research into pedestrian behaviors and how they impact driver yielding.

3:30-5pm, 7/21/17

Learning to Move: Moving to Learn: A Focus on Early Mobility Skills Room: Kings Garden 4 (Track B) Tanni Anthony

All children must learn to move so that they can use their mobility to explore and learn. This session will address the developmental motor phases and needs specific to Orientation and Mobility for very young children who are blind/visually impaired. Information will be offered about inherent motor development challenges tied to pediatric visual impairment and support strategies key to addressing these needs.

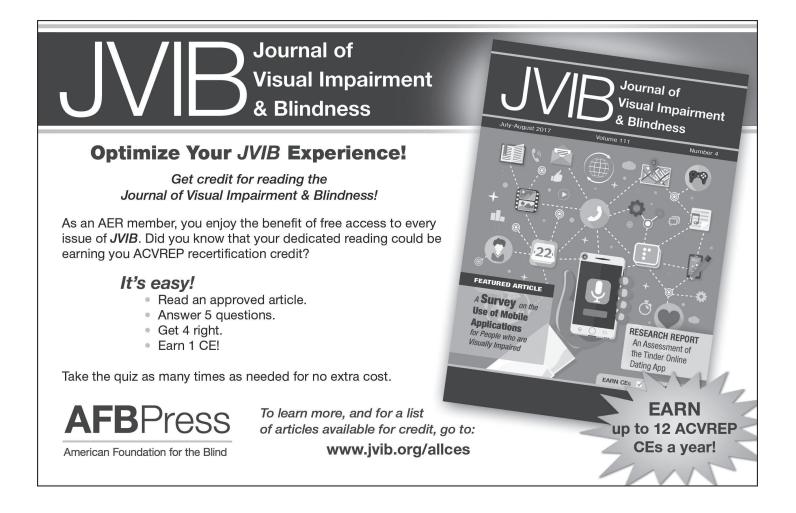
Using Simulation Software to Teach Students How to Deal with Uncontrolled Crossings

Room: Kings Garden 5 (Track A)

Laura Zierer, Dona Sauerburger

APH is excited to debut a software program that provides instructions and simulations to help you prepare your students for crossings with no traffic control. Come and experience simulation exercises and, and learn about a process for instruction that you can use with your students!

AER Board of Directors Meeting 7-10pm Chartiers



Saturday Events 7/22/2017

8:30-9:30am

Roundabouts and Channelized Turn Lanes? Guidebook Developed! Room: Grand Ballroom 1-2

Janet M. Barlow, Lukas Franck

Roundabouts and channelized turn lanes (CTLs) are being promoted as safety improvements for vehicles and pedestrians and over 5,000 roundabouts have been built in the U,S. Recent research developed guidelines for making roundabouts and CTLs accessible to individuals who are blind or who have low vision. We'll discuss features that you should be looking for and requesting as roundabouts and CTLs are built in your area.

9:45-10:45am

AER O&M Poster Session

Room: Grand Ballroom 1

O&M in the Hospital Setting

Russell Ellis

The O&M program aims to reduce stereotypical assumptions of patients with new onset vision loss and their rehabilitation potential/maximal independence and safety. The COMS works within the University of Michigan Health System (UMHS) with the patient's care team to evaluate and treat individuals with new onset visual impairments affecting their safety, independence and quality of life. This role spans across hospitalization from intensive care units to discharge.

Evoking Use of Inner Voice in Orientation and Mobility Instruction *Amber Rundle Kahn*

This poster will address a foundational understanding of how Orientation & Mobility Instructors can evoke the use of inner speech with their students. Inner voice can play a critical role in visual/spatial mapping, as well as critical problem solving skills, for travelers (and instructors!). Techniques, examples, and specific references will be provided.

The "Smart Walker" Electronic Travel Device

Susan Langendonk

A student at Michigan State University with visual and physical impairments experienced a fall after entering a building at an unfamiliar door. At his request, seniors in the Engineering Department developed an ETA that could be attached to his walker. The ETA was designed to detect obstacles as well as drop-offs and was tested in unfamiliar environments with a COMS. Specification and limitations of the device will be discussed.

You're the Missing Piece

Gina Schmid, Marybeth Cleveland

This poster is meant to be an interactive display where attendees can fill out a 4"x4" or smaller puzzle piece in order to build a puzzle. Each attendee will be asked to write down one of their 'Best Practices', which may be a tip, material used, etc. in building the puzzle. The puzzle is meant to share with others and build piece by piece with their ideas and best practices. This puzzle can be viewed during the conference. Also, we will videotape the puzzle, do audio descriptive, and create a video to upload on YouTube.

The AER International Services and Global Issues Division

Kevin McCormack

AER has a new Division that is open to all members. The International Services and Global Issues Division seeks to raise awareness of the happenings and needs in the worldwide education and rehabilitation of the blind and visually impaired. Through these efforts, we hope to engage people already interested in a world region and we want to inform those that do not yet know what the worldwide blindness issues are.

Mid-Block Street Crossing Aids for Individuals who are Blind or Visually Impaired Diane Pevsner

This presentation will discuss the evaluated effect various conditions used by pedestrians who are visually impaired had on drivers' behavior in yielding and slowing their speed at mid-block street crossings.

International O&M Certification and COMS internship requirements *Kevin Hollinger*

The Academy of Certification of Vision Rehabilitation and Education Professionals (ACVREP) administers a certification program, COMS, for O&M professionals within the USA and Canada. This session will outline the various pathways to certification through ACVREP for practicing O&M professionals including recently developed pathways for

O&M specialists outside of North America. The session will also provide clarification for the newly revised Clinical Competency Form for COMS internship requirements.

Certified Travel Training Instructor Program offered by Easterseals Project Action Consulting and the Center for Urban Transportation Research *Kristi McLaughlin*

Visit with Easterseals Project Action Consulting staff to learn more about the Certified Travel Training Instructor program including program requirements, upcoming courses, and how the CTTI program can help you in reaching your professional development goals.

O&M Internships that S.O.A.R.

Kevin Hollinger, Peggy Beckley, Paul Ehresman, Kirstin Peahl

O&M Internships that S.O.A.R. will focus on the utilization of graduate interns seeking ACVREP certification upon successfully obtaining their ACVREP Clinical Competencies and completing their internship. The interdisciplinary model of collaboration through supervision will be highlighted and discussed. Come see how O&M instruction through internship supervision is integrated into a three-week summer residential program for youth who are legally blind.

Stand Up Paddle (SUP)

Erin Kavanagh

SUP is becoming a wildly physical popular activity for people of all ages and all abilities. Requiring few adaptations for people with vision impairments, participants can very quickly achieve independent skills and build confidence with only basic instruction. This poster will present the basic tools, skills, and safety requirements necessary for a successful and fun SUP experience.

The Effects of Using Geocaching Activities and Games While Teaching Orientation and Mobility Skills to Students Who are Blind or Visually Impaired Diane Pevsner

This presentation will share results of a research study on the effectiveness of using geocaching and letterboxing activities to assist with teaching orientation and mobility skills. Geocaching is defined as a treasure hunting game that utilizes GPS enabled devices to navigate to a specific area and find a hidden treasure. Letterboxing is the same type of activity that utilizes written clues that lead to the hidden treasure.

Multisensory Art for Blind and Visually Impaired

Tina Korani, Alexandre Martinez

"Please do not touch" is probably one of the most recurrent sign in museums of art. In a world based on visual experience, what we traditionally call "visual arts" is fundamentally excluding people without sight and it is also deeply limiting people in their experience of the artwork by creating a physical and moral barrier between people and the art. We want to remove the dominance of the sight and create artwork more user friendly and interactive where people can touch and feel the artwork instead of simply contemplating it.

Expanding Opportunites in Recreation, Travel and the Arts

Jessica Lucia Alessio

Why these opportunities in the arts, recreation, and travel are so important. Let's expand opportunities beyond what is offered in school and rehabilitation centers and reach out to our community. Let's teach others who are professionals in multiple fields how to work with individuals who are visually impaired or with other disabilities, and let them teach us about skills our students are passionate about.

Build-It-Yourself Equipment To Help Teach Cane Arc and Other Cane Techniques *Michael Byington*

Some students do not learn well, or react well, to either hand over hand or hand under hand teaching strategies. Learn about a build-it-yourself device which can allow cane arc, and other cane techniques, to be taught without the use of hand over hand or hand under hand strategies. This device can also be helpful for students who have a low level of receptive verbal skills.

Crossing at Modern Signals -- Self-Study Guide

Dona Sauerburger

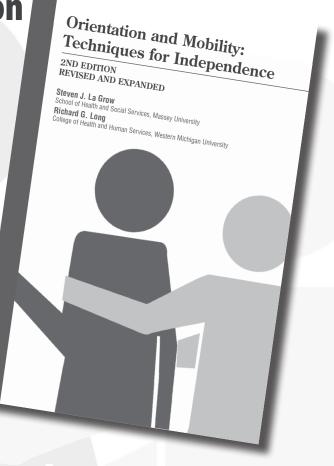
Traditional strategies for crossing at modern signals are no longer safe and effective because of actuation and protected left turns. Come learn about a Self-Study Guide that explains these features, and strategies for dealing with them at modern signals.

Orientation & Mobility: Techniques for Independence 2nd Edition

By Steven J. La Grow and Richard G. Long

New, Updated Version Now Available

O&M specialists and other vision professionals will find the skills, techniques and sequence of instruction presented in this book helpful in instructing individuals with vision loss who want to regain the ability to travel independently. The book describes human guide, self-protective, directional familiarization and cane techniques, along with strategies for indoor and outdoor travel, including those required for crossing streets, planning routes and using public transportation.



\$44.95 Members \$79.95 Non-Members Order online at www.aerbvi.org

11am-12pm, 7/22/17

O&M Internships that S.O.A.R. Room: Commonwealth 1 *Kevin Hollinger, Peggy Beckley, Paul Ehresman, Kirstin Peahl*

O&M Internships that S.O.A.R. focuses on the utilization of graduate interns seeking ACVREP certification upon successfully completing their ACVREP Clinical Competencies and internship. The interdisciplinary model of collaboration through supervision will be highlighted and discussed. A brief history of the Summer Orientation & Mobility and Adapted Living Resource Program will be followed by a discussion of how O&M instruction through internship supervision is integrated into a three-week summer residential program.

Adapting Instruction for Adults with Additional Challenges Room: Commonwealth 2

Deborah Gold, Jordan Dumoulin

This session will discuss alternative teaching strategies when working with adults who present additional learning challenges such as: learning disability, cognitive delay, memory loss, physical disability, and extreme social isolation. Case examples will be used to demonstrate challenges BALANCE instructors have encountered in the past year and opportunity for discussion to exchange of ideas will be welcome. Special attention will be paid to instructor response to apparent inability to learn.

SENSE-able Ways to Build Tactile Literacy Skills Room: Birmingham

Karen J. Poppe

Strategies and tools to cultivate a young child's tactile literacy skills within purposeful contexts will be demonstrated. Important tactile skills include systematic scanning, spatial understanding, shape and texture discrimination, transition from 3D objects to 2D displays, understanding perspective, familiarity with tactile graphic methods, and creation of tactile graphics. Audience members will be invited to share strategies they have used with their own students to develop tactile literacy skills.

Autonomous Vehicles - Implications for Safety, Ethics, Policy and Pedestrians with Visual Impairments Room: Smithfield/Fort Pitt *JoAnne Chalom*

Discover the exciting attributes of self-driving vehicles. This is an emerging and evolving topic. Understand the unique features of this transformative technology. How many

ways will autonomous vehicles impact pedestrians who are blind or have low vision? Join this interactive session as we discover the potential implications of self-driving vehicles.

Study Results- Lack of Toddler-Safe Mobility Device: An Obstacle to Development Room: Kings Garden 1

Grace Ambrose-Zaken

A study was conducted with nine toddlers with mobility with visual impairment (MVI), aged 11 months to 3 years. Subjects were digitally recorded walking three routes (inside home; walking path; playground) under 5 mobility conditions: No device, the long cane, an adaptive mobility device (AMD), a push toy, and a wearable toddler cane. Results report frequency of next step warning provided by mobility device, and measures of gait, posture, pace.

Essential Apps for O&M Room: Kings Garden 2

Nicholas P. Leon

The modern revolution of the smartphone has replaced many of the devices previously used in non-visual travel. Moreover, it has become such a dynamic field that hundreds of apps are released each day. This session will showcase essential apps for O&M and present key features accompanied by video/audio demonstrations.

Utilizing Environmental Information – How GPS Navigation Can Complement Traditional O&M Tools. Room: Kings Garden 3

Greg Stilson

This session will discuss the progression of specialized navigation aids, specifically focusing on those utilizing GPS orientation. It will highlight the value of various types of information that can be obtained by these tools and how that information can serve as a perfect complement to the information gathered while using traditional O&M tools such as the cane or dog guide.

Full Sensory Exploration in a Multi-Sensory Environment Room: Kings Garden 4

Amy Hess

Come explore the world of Multi-Sensory Environments. These environments provide opportunities to bridge sensory barriers through the use of equipment that stimulates neural pathways. MSE's enhance a student's sense of autonomy, inclusion, independence, and sensory integration. Additionally, the environments can be used for specific and measurable educational and therapeutic goals or provide fun and leisure activities for students.

Adapting to a Changing Educational and Professional Landscape Room: Kings Garden 5

Audrey J. Smith, Laura Bozeman, Kerry S. Lueders

This session will provide a brief introduction to the history of efforts to establish Medicare reimbursement, the ongoing challenges of a shortage of personnel and training programs, and the ongoing efforts of the Forum for the Advancement of Blindness and Vision Impairment Professionals. This presentation will also include an interactive/brainstorming discussion on the pros and cons of considered educational and professional changes.

1:30-3pm, 7/22/17

The Potential Impact of CVI & Associated Hidden Disabilities on O&M Skills Room: Commonwealth 1

Mary T. Morse

Cerebral visual impairment (aka CVI) is a brain-based disability. Students and adults diagnosed with CVI may manifest significant neurological challenges and little useful vision OR normal visual acuity and no obvious neurological difficulties. However, almost all have some degree of invisible disabilities that make orientation and safe mobility challenging for O&M specialists. The session will include a PowerPoint presentation, a case study, and discussion of challenges and possible intervention strategies.



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Training a Guide Dog Team to Run Room: Commonwealth 2

Jolene Hollister, Kathy Rooney

In 2015, Guiding Eyes for the Blind embarked on a program to explore the possibility of expanding the training of a guide dog team. This program has helped to expand independence for other blind and visually impaired athletes and enable them to supplement their training regimen with a few dog guided runs each week. This presentation tells the compelling story of how we trained our first running guide dog team.

Community Inclusion for Individuals with Developmental Disabilities and Visual Impairment Room: Birmingham Stephen Jordan

Community Inclusion for Individuals with Developmental Disabilities and Visual Impairment can create a positive ripple effect in all areas of an individual's life. All too often, these individuals are unable to access the community and participate in everyday activities. Through research and case studies we will examine the benefits.

Overview and Progress Update of New WV Bioptic Driving Program Room: Smithfield/Fort Pitt

Chuck P. Huss

This presentation will provide an overview and progress update of driver screening, driver training, driver assessment and driver testing practices used as part of the new full-time West Virginia Bioptic Driving Program from 2009-2017. It will also highlight basic and advanced pre-driver readiness skills introduced and reinforced by either a COMS or CLVT to transition successfully from active passenger-in-car to active driver status; with client aspirations of obtaining the driving privilege.

AIRA - Visual Interpreter for the Blind Room: Kings Garden 1

Suman Kanuganti, Sandra Rosen

Aira technology provides visual and orientation information to people who have visual impairments as they engage in everyday activities including travel, shopping, and reading. Wearable smart glass technology connects users in real time with trained agents who provide information using O&M terms and principles. Participants will learn about the system and how they can integrate Aira into O&M instruction. Participants will observe travelers using Aira and try the system themselves.

Student Portfolios and Project Based Learning: Implementing Meaningful O&M and ECC Instruction Room: Kings Garden 2 Rachel A. Schles

The Expanded Core Curriculum and project based learning form an ideal platform to teach students with visual impairments. Focused on individual student need, projects teach students to use critical thinking and problem-solving skills around the implications of their visual impairments. This presentation discusses integrating O&M and ECC instruction for all school-aged students with visual impairments, including those with additional disabilities. Practical tips will be shared for developing IEP goals.

Deep Dive into Orientation and Mobility Career, College and Community Readiness Standards Room: Kings Garden 3

Mary Jim Tellefson, William Koehler, Kathryn Botsford, Leanne Cook

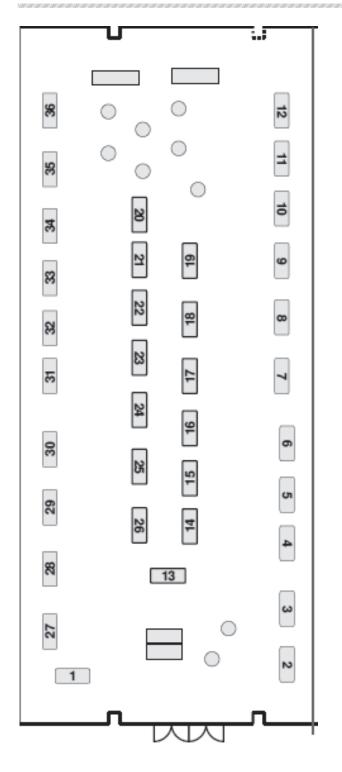
An overview of the benefits of standards based education as it relates specifically to orientation and mobility training and description of the process by which draft O&M Career, College and Community Readiness Standards were created. Small groups will work with the standards to explore the impact they would have on their own practice. Presenters will collect feedback and ideas to advise the "next steps" of the standards project.

Closing General Session "Work. Life. Balance" Saturday, 7/22/17 3:30-5pm Location: Ballroom 1-2

Enjoy some tea and refreshments and join Vera Jones; she will deliver the keynote address – "Work.Life.Balance." Vera Jones is an accomplished speaker, author, award-winning television and radio broadcaster, and a Syracuse University Hall of Fame Scholar Athlete. She is most widely known for her extensive background in broadcasting, serving as a Women's Basketball Analyst and Reporter for various networks over the past two decades, including ESPN, Fox Sports, Madison Square Garden Network, NBA-TV and most recently with the Big Ten Network.



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- 30 Freedom Scientific/ Optelec/Ai Squared
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AER Orientation & Mobility Division

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Aira

Booth No. 5 4250 Executive Square Drive San Diego, CA 92037 858-876-2472 amy@aira.io, support@aira.io, https://aira.io/

Allied Instructional Services

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Ambutech Inc.

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American Printing House For The BLIND, INC. American Printing House for the Blind Booth No. 29 1839 Frankfort Ave. Louisville, KY 40206 502-899-2257 adurham@aph.org, www.aph.org



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BAUM , Inc.

Booth No. 1 13 Branch St., Suite 205 Methuen, MA 01844 855-620-7985 x407 rsteinberg@baum.com, www.baum.com

Dancing Dots

Booth No. 20 1754 Quarry Lane, Suite DD Phoenixville, PA 19460 610-783-6692 info@dancingdots.com, www.dancingdots.com

Enhanced Vision Systems, Inc.

Booth No. 3 5882 Machine Drive Huntington Beach, CA 92649 714-887-5011 rmayer@enhancedvision.com, www.enhancedvision.com

Eye Catch Signs

Booth No. 33 2482 Maynard St. Halifax, NS B3K 3V4 Canada 902-700-2132 johnsullivan@eyecatchsigns.com, www.eyecatchsigns.co



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Freedom Scientific/Optelec/Ai Squared

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Good-Lite Company

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Guide Dogs for the Blind

Booth No. 15 350 Los Ranchitos Road San Rafael, CA 94903 800-295-4050 tstern@guidedogs.com, www.guidedogs.com

Guide Dogs of America

Booth No. 19 13445 Glenoaks Blvd. Sylmar, CA 91342 818-833-6428 seormenyi@guidedogsofamerica.org, www.guidedogsofamerica.org

Guiding Eyes for the Blind

Booth No. 12 611 Granite Springs Road Yorktown Heights, NY 10598 914-245-4024 memberservices@aervi.org, www.guidingeyes.org

Hadley Institute for the Blind and Visually Impaired

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NoIR Medical Company

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Penn-Del AER Chapter

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PA Office of Vocational Rehabilitation

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South Carolina School for the Deaf and the Blind

Booth No. 4 101 Executive Center Drive, Suite 120 Columbia, SC 29210 803-896-9787 jjeffcoat@scsdb.org, www.scsdb.org

The Library of Congress

Booth No. 17 1291 Taylor St., N.W. Washington, DC 20542 202-707-0717 jwallace@loc.gov, www.loc.gov/nls

The Seeing Eye Inc.

Booth No. 7 P.O. Box 375 Morristown, NJ 07963 973-539-4425 whitec@seeingeye.org, www.seeingeye.org



Vanda Pharmaceuticals Inc.

Booth No. 25 2200 PA Ave. N.W., Suite 300E Washington, DC 20037 202-734-3400 frances.fagan@vandapharma.com, www.non-24.co

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