# Hi-Tech O&M

# Dates: November 21 and November 22, 2016 Presenters: Diane Brauner and Ed Summers Location: Peeler-Crockett Building, GMS Campus Workshop Fee: $199 Registration Closes: November 7, 2016 Credits: 16 hours of CEUs, ACVREPs Micro Credential: Hi-Tech O&M Sign in: 8:30 am Workshop: 9:00 am – 4:00 pm

## [Register Link](http://www.perkinselearning.org/earn-credits/onsite-training/hi-tech-om-gms)

## Description

Join a successful tech-savvy blind traveler and a veteran COMS for a 2-day, in-depth training as they share how to use technology to enable independent travel in a variety of specific real-world contexts. For example, finding bus stops, planning a route, building mental models, pedestrian travel in campus environments, etc. You will learn strategies for nurturing curiosity and confidence in young travelers as well as how to use cutting edge technology with students/clients of all ages. Technology topics will include an introduction to VoiceOver, accessible maps, GPS apps, functional daily living skill apps, activities to create digital O&M cheat sheets and an exciting new technology that incorporates iBeacons to provide O&M information and accurate positioning for indoor navigation. This session will include hands-on time to using the iBeacons that will be deployed on the GMS campus. **Each participant must have an iPhone; each participant will receive a free code for the BlindSquare App.**

## Objectives

Participants will learn:

* Basic Voiceover screen reader gestures with an iPhone
* Technology to develop curiosity, knowledge and mental maps about their community and/or surroundings and to pre-view new environments
* Apps to plan and travel routes
* Apps for outdoor and indoor navigation
* Core suite of apps that are commonly used for O&M purposes
* How to teach these apps and strategies to O&M students and clients

## Prerequisites

Participants **MUST** have an **iPhone** running the latest version (must be an iPhone, not an Android phone)

## Recommendations

* Participants will have the opportunity to observe and/or participate in hands-on activities with some apps that are only available on the iPad; if you have access to an iPad, please bring it. An iPad is not required.
* Some participants may prefer to use earbuds with the navigational apps as the environment may be noisy. Earbuds are not required. We do recommend non-occluding (bone conducting) ear buds such as [AfterShokz](http://aftershokz.com) or [AirDrives](http://www.airdrives.com) for safety reasons when listening and walking. These earbuds allow users to hear the environmental sounds – such as traffic – as well as VoiceOver announcements.

**Recommended iPhone apps**

* BlindSquare app (free code to workshop participants)
* BlindSq Event app (available for free the week before the workshop)
* NC NatSci app (free interactive, accessible museum map)
* LookTel Money Reader (optional)
* Tap, Tap, See (optional)

**Recommended iPad apps** (iPad is recommended but not required)

* SAS Gloss (free annotation app – not available on the iPhone)
* iBooks (free)
* Book Creator app (optional $4.99 – may not use in class but great O&M tool!)

## Blended Workshop Assignments

This is a blended workshop that includes an online pre-workshop assignment and a post-workshop assignment:

1. Pre-workshop discussion question and online reading assignment (Time: 1 hour)
2. Post-workshop assignment: Design and share an age-appropriate O&M lesson that incorporates the use of technology for one of your students. (Time: 1 hour)

## Presenters

* 1. ***Ed Summers*** is a blind software engineer and an accessibility specialist. He has a B.S. in Computer Science and 20 years of professional experience as a software developer and a development manager. Ed's personal mission is to enable people with disabilities to realize their full potential in the classroom and the 21st century knowledge economy. Ed leads the accessibility team at SAS, the market leader in business analytics software and services that is used at more than 70,000 sites around the world. He is the Chairman of the North Carolina Commission for the Blind. He is also a member of the North Carolina State Board of Education Advisory Council for the Governor Morehead School for the Blind.

***Diane Brauner*** is an educational accessibility consultant working with Perkins School for the Blind to create and manage the Paths to Technology website. Diane continues to collaborate with SAS on a variety of accessibility projects including iPad accessibility trainings. Diane has 25+ years experience as a COMS, working primarily with preschool and school-age students. She holds degrees in Rehabilitation, Elementary Education, Visual Impairments, Hearing Impairments, and Orientation and Mobility.

**Register Online** or Download Announcement and RegistrationPlease submit registration and payment **by 11/14/2016**\* Early Bird Discount applies if registration is received by 11/7/2016

**Questions,** please contact: Teresa Pagliuca 617-972-7712 Email: PerkinsTrainingCenter@Perkins.org   
Phone: 617-972-7712 Fax: 617-972-7209

REGISTRATION

**Hi-Tech O&M**  
**Governor Morehead School  
Raleigh, North Carolina**Please submit registration and payment **by 11/14/2016**\* Early Bird Discount applies if registration is received by 11/7/2016

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**Please indicate accommodations required:**

**Braille: Large Print: Interpreter: Special Diet:**

**How did you hear about this workshop?**

Please indicate all that apply:  
Continuing Ed. Credits  ACVREP Points PDP’s   
  
 **PLEASE RETURN REGISTRATION AND PAYMENT TO:  
Perkins Training Center**175 North Beacon Street   
Watertown, MA 02472

Checks can be made out to **Perkins School for the Blind**.

Payment must be received and confirmed in order to secure your participation.   
\*\*Please Note: Confirmed participant refunds will not be given without a 48 hour notice of cancellation\*\*

Local Hotels:

<http://hamptoninn3.hilton.com/en/hotels/north-carolina/hampton-inn-and-suites-raleigh-downtown-RDUDWHX/index.html>

<http://www.hiraleighdowntown.com/>

<http://www.aloftraleigh.com/>

<http://www.brownstonehotel.com/#8GleJl> (This is a DoubleTree by Hilton and is within walking distance of GMS)