In this hands-on workshop, participants will learn how to take linear and angular measurements of a seated person’s body and their seating support surfaces, based on “A Clinical Application Guide to Standardized Wheelchair Seating Measures of the Body and Seating Support Surfaces, Revised Edition.” This resource manual, developed under the direction of Ms. Waugh, through a grant from the PVA Education Foundation, was written to facilitate the adoption of the principles and measures contained in ISO 16840-1:2006 Wheelchair seating – Part 1: Vocabulary, reference axis convention and measures for body segments, posture and postural support surfaces.

The workshop will begin with a discussion of the foundational principles, terms and methodologies contained in the clinical guide. Following will be a review of each of the sections of the clinical guide, covering angular and linear body measures, and angular and linear seating support surface measures. During these sessions, selected measures from each section of the guide will be explained and measurement methodologies will be demonstrated, followed by time for hands-on practice. Participants will be divided into groups and provided with simple tools for measurement. The instructor will guide the groups as they practice taking measurements. The clinical application of these measures will be discussed and emphasized throughout the course.

.7 RESNA CEUs: CEUs are provided by RESNA, authorized by the International Association for Continuing Education and Training (IACET), for an additional cost of $32.00. CEU applications will be available on the day of the course.

Presenter Kelly Waugh is a nationally recognized clinician and educator with over 30 years experience, specializing in the assessment and provision of wheelchair seating and mobility equipment for children and adults with moderate to severe physical challenges.

Currently a Senior Research Instructor and the Clinic Coordinator at Assistive Technology Partners in the Department of Bioengineering at the University of Colorado Denver, Kelly has been actively involved in RESNA (Rehabilitation Engineering and Assistive Technology Society of North America) for many years. She served as chair of the ISO/RESNA Wheelchair Seating Standards Working Group that developed an international standard which defines measures of wheelchair seated posture and seating support parameters.

A leader in her field, Kelly is a dynamic speaker who has lectured extensively on Wheelchair Seating, ISO Seating Standards, and Nighttime Positioning to varied audiences nationally and internationally. She received both her BA degree in Human Biology and her MA degree in Physical Therapy from Stanford University in Stanford, California.