

Science made smarter

# Hearing technologies made smarter

Raising the Bar in ABR, ASSR, OAE,  
WBT and Balance



**October 11 & 12, 2019**

**Course fee:** \$495 (Breakfast & Lunch provided)

**Event Registration deadline:**  
September 30, 2019

**Location:** Westin Las Vegas  
160 E. Flamingo Road  
Las Vegas, Nevada 89109

**Hotel Information:** Discounted room rate  
available for \$149/night, resort fee additional.  
Reserve room by 9/10/19, based on availability.

**Register online at:** <https://tinyurl.com/yy4thbc7>

## Keynote Speakers:



**Yvonne Sininger, PhD**

Hearing Science Consultant at C & Y Consulting and Professor Emerita, UCLA

Dr. Sininger received her bachelor's degree in Speech and Hearing and master's degree in Audiology from Indiana University. She received her Ph.D. in Speech and Hearing Science from the University of California Santa Barbara & San Francisco. She developed an interest in infants and children early in her career when she worked at the University of Cincinnati Medical Center as a clinical audiologist. After her Ph.D., she moved to House Ear Institute in Los Angeles as a Post-doctoral fellow in electrophysiology, and later as the director of the Children's Auditory Research and Evaluation Center. In 2001, she moved to the David Geffen School of Medicine at UCLA to the Department of Head & Neck Surgery. She retired as Professor in Residence in 2012 and runs her own consulting business.



**Chris Sanford, PhD.**

Associate Professor and Department Chair in the Department of Communication Sciences and Disorders at Idaho State University

Dr. Sanford's background includes bachelor's degrees in Psychology and Audiology and a master's degree in Audiology from Brigham Young University, a PhD in Hearing Science from the University of Washington and a postdoctoral fellowship at Boys Town National Research Hospital. His current responsibilities include teaching graduate courses, conducting research, mentoring students in clinical activities, and administrative work. His primary clinic and research interests include investigations of middle-ear assessment techniques with goals of improving diagnosis and treatment of hearing disorders.

## Presenters:



**David Speidel, MS FAAA**

Director of Audiology and Education and Communication Services at Interacoustics USA

David has worked for 38 years within the hearing industry as a clinician, sales manager, product manager and most recently the Director of Audiology services. He received his master's degree in Audiology from the University of Wisconsin-Oshkosh (1979) with an additional year of post graduate work at the University of Wisconsin - Madison and a fellowship at the VA Medical Center with an emphasis on auditory electrophysiology. David also spent two years associated within an ENT/Hearing Aid Dispensing practice. He has been a guest presenter on a variety of topics to University Audiology programs, is a contributing author on numerous articles in hearing industry journals and has been a presenter at numerous state and national conferences.



**Cammy Bahner, AuD CCC-A, FAAA**

Senior Clinical Audiologist at Interacoustics USA

Dr. Bahner has several years of clinical experience, primarily in vestibular diagnostics and electrophysiologic assessment and is a licensed audiologist in Minnesota. She has served as a guest speaker at state, national and international conventions and is a contributing author on published articles in hearing industry journals. She is currently a member of AAA and ASHA.



**Sherrie Weller, MS**

Manager, Field Training and Development at Interacoustics

Sherrie graduated with a master's Degree in Audiology from the University of South Alabama in 1981. From working in a large ENT practice, hearing aid manufacturer's representative, Neurology and Audiology Equipment sales, Sherrie's work experiences have allowed her to develop a broad range of audiology skills. She has also been guest lecturer at many state, AAA and ASHA conferences. Sherrie joined Interacoustics in 2018. This new role allows her to share her practical knowledge with audiologists, the e3 sales team and product development at Interacoustics.



**Jessica Arrue Ramos**

Clinical Product Manager for ABR and OAE technologies at Interacoustics A/S Denmark

Jessica holds a Masters of Audiology Studies from the University of Queensland, Australia and has over 12 years of experience in the hearing industry. Prior to joining Interacoustics, Jessica worked in clinical practice in both diagnostics and hearing aid fitting. Her primary areas of interest lie in otoacoustic emissions and newborn hearing screening. She has both published articles and presented at numerous international conferences and seminars on these topics.

## Course agenda\*

### FRIDAY, OCTOBER 11, 2019

#### Time Topics

7:30	<b>Breakfast &amp; Registration</b>
8:30	<b>CE-Chirp, Fmp, Residual Noise &amp; Bayesian Weighting:</b> a superior stimulus and other features that impact speed & accuracy in traditional ABR measurements. <i>Yvonne Sininger</i>
10:00	<b>Break</b>
10:15	<b>Wideband Acoustic Immittance:</b> the next evolution in middle ear assessment. <i>Chris Sanford</i>
11:45	<b>Q &amp; A</b>
12:00	<b>Lunch</b>
1:00	<b>The Next Generation ASSR:</b> a better strategy for hearing threshold estimation. <i>Yvonne Sininger</i>
2:15	<b>Break</b>
3:00	<b>Eclipse Software Overview</b> <i>David Speidel</i>
3:30	Hands-on work stations
4:30	Wrap-Up
5:00	Reception

### SATURDAY, OCTOBER 12, 2019

#### Time Topics

8:00	<b>Breakfast</b>
8:30	<b>Otoacoustic Emissions:</b> an overview of OAE principles for generating the best data. Also introducing Pressurized OAEs and its benefits. <i>Jessica Arrue Ramos</i>
9:45	<b>Break</b>
10:00	<b>cVEMP &amp; oVEMPs:</b> best practice techniques, EMG monitoring and EMG Scaling, adult and pediatric applications. <i>Cammy Bahner</i>
11:00	Hands-on work stations
12:00	<b>Lunch</b>
1:00	<b>Bone Conduction ABR/ ASSR:</b> benefits and pitfalls. <i>Sherrie Weller</i>
1:45	<b>New Trends:</b> Cortical Evoked Potentials, eABR & eSRT. What are they and what are the applications? <i>David Speidel</i>
2:30	Hands-On Work Stations
3:30	Conclude

\*Course outline subject to change

This course will present information on new and emerging technologies in evoked potentials, otoacoustic emissions and acoustic immittance that contribute to higher quality data and improved clinical efficiencies. Discussions will include tips, tricks and strategies to better manage a variety of situations, achieve success and produce quality data.

The presentations will have broad appeal to Audiologists working with both adult and pediatric patient populations. Practical, hands-on learning labs will be interspersed throughout each day.

#### Topics Include:

- **CE-Chirp, Fmp, Residual Noise & Bayesian Weighting:** a superior stimulus and other features that impact speed & accuracy in traditional ABR measurements.
- **Bone Conduction ABR/ASSR:** benefits and pitfalls.
- **The Next Generation ASSR:** a better strategy for hearing threshold estimation.
- **cVEMPs & oVEMPs:** best practice techniques, EMG monitoring and EMG scaling, adult and pediatric applications.
- **Otoacoustic Emissions:** an overview of OAE principles for generating the best data. Also introducing Pressurized OAEs and its benefits.
- **Wideband Acoustic Immittance:** the next evolution in middle ear assessment.
- **ABR Screening, eABR, eSRT, Cortical Evoked Potentials:** applications for amplification, verification and discrimination assessment.



Interacoustics is approved by the American Academy of Audiology to offer Academy CEUs for this activity. Attending is worth a maximum of 1.2 Tier 1 CEUs. Academy approval of this continuing education activity is based on course content only and does not imply endorsement of course content, specific products, or clinical procedure, or adherence of the event to the Academy's Code of Ethics. Any views that are presented are those of the presenter/CE Provider and not necessarily of the American Academy of Audiology.

## Registration:

**Course fees**  
(includes breakfast & lunch):  
\$495.00

**Register by:** September 30, 2019

**Register online at:**  
<https://tinyurl.com/yy4thbc7>

**Where:** WESTIN LAS VEGAS  
160 E. Flamingo Road  
Las Vegas, Nevada 89109

For more information  
on course content or the  
technologies presented,  
contact:  
**David Speidel**  
at Interacoustics  
[dasp@interacoustics.com](mailto:dasp@interacoustics.com)  
**800-947-6334**



10393 West 70th Street  
Eden Prairie, MN 55344