Acoustic methods offer objective solutions for (a) the documentation of most vocal phenomena both quantitatively and qualitatively, (b) the measurement of specific aspects of voice signals, and consequently (c) the tracking of voice across time and interventions. As such, acoustic voice analysis continues to form one of the corner stones in clinical as well as scientific voice assessment, regardless of the speech-language pathology or laryngology area. Furthermore, not only in those with a voice disorder, but also persons with hearing impairment, dysarthria, laryngectomy, head and neck cancer, etc. can encounter problems in both the production and the sound of the airborne voice signal. Phonanium has therefore developed several clinical software tools for acoustic analysis of voice to be at all voice and speech clinicians’ disposal.

This intensive course is designed to give participants theoretical insights in as well as practical mastery over acoustic voice assessment using Phonanium’s tools in the program Praat. There will be presentations, live demonstrations, hands-on workshops on software, and laptop configurations.
Youri Maryn (PhD) — He serves as board member of the Flemish Association for Speech-Language Therapists. He publishes in various international peer-reviewed journals. He is an invited speaker in (inter)national conferences and works on voice disorder management and acoustics, and he speaks at (inter)national voice meetings. His specific interests are clinical voice assessment, voice disorder management, voice/speech acoustics and oral cavity phonetics.

Youri Maryn is owner of Phonanium (www.phonanium.com), a company dedicated to providing all voice and speech pathologists with information on and software tools for clinical voice assessment. He develops software exclusively on Praat software and Phonanium’s plug-ins for acoustic analyses of voice signal. He also teaches on acoustic phonetics at University of Ghent and on voice disorders at Université Catholique Louvain and Ghent University College. He is post-doctoral researcher at University of Antwerp and received his PhD from University of South Florida (Tampa, FL, USA), and Cara Bryan (MA, CCC-SLP) of South Tampa Voice Therapy LLC(Tampa, FL, USA).

This two-days course will be offered for 1.4 ASHA CEUs (Advanced level, Professional area)

**DAY 1**

**TUESDAY — JULY 14, 2020**

**Saying hello – registration – coffee.**

**Warming up: a complete acoustic voice assessment with Phonanium plug-ins in the program Praat.**

**Clinical voice assessment anno 2020 … and the role of acoustic methods.**

**The sound recording chain: criteria for high-quality voice/speech recordings … conditio sine qua non!**

**Morning break – coffee + pastry.**

**How loud is your voice? Toward a method for calibrating sound level measures in the voice clinic.**

**Clinically fascinating facets of the acoustic voice signal.**

**Lunch break.**

**Software options for acoustic voice analysis: advantages versus disadvantages.**

**Hold on a minute … what about reliability and validity related to acoustic voice measures?**

**Afternoon break – coffee + pastry.**

**Speed-dating with the program Praat … exercises with some basic functions of the program Praat.**

**The ‘Acoustic Voice Quality Index’ story … toward measuring dysphonia severity.**

**Closing the day.**

**DAY 2**

**WEDNESDAY — JULY 15, 2020**

**Registration – coffee.**

**Recapitulation … any questions after day 1?**

**Calibration of intensity level measures on the participants’ own sound recording systems.**

**Morning break – coffee + pastry.**

**What you see is what you hear … spectrographic explorations in the peculiarities of voiced sounds!**

**Lunch break.**

**Workshop: “Phonanium Clinical Voice Lab” on your own laptop.**

**Afternoon break – coffee + pastry.**

**Workshop: “Phonanium Clinical Voice Lab” on your own laptop.**

**Debriefing: be honest … will you be able to continue on your own?**

**Saying goodbye.**