

Voice in the Silicon Valley: Better clinical results through innovation & technology

Santa Clara University - California Mission Room

Friday, October 2, 2015 - Day 1

8:00-8:50 *Registration*
8:50-9:00 *Opening Remarks by Krzysztof Izdebski, Yuling Yan, Godfrey Mungal & Manuel Pais-Clemente*

Session 1 - Physiological Reality in Vocal Signals: Acoustic Analysis

Chair - Zei-Pollermann

9:00-9:15 **Pedersen** Which mathematical and physical formulas are relevant in voice and speech diagnostics
9:15-9:25 **Ziółko** Orthographic to phonetic transcription system
9:25-9:35 **Grzybowska** Recognition of age from voice
9:35-9:45 **Igras** Acoustic correlates of ironic intonation
9:45-9:55 **Oliveira** The use of the iPad and iPhone for digital recording of the human voice in the clinical and research settings
9:55-10:05 **Fava** The use of sound level meter apps in the clinical setting
10:05-10:20 **van Leer** Mobile support to improve voice therapy adherence
10:20-10:50 *Break/Exhibits*

Session 2 - Visual Analysis of Vocal Folds Kinematics: Analysis by Optical Visualization

Chair - Wenokur

10:50-11:05 **Yan** Spatio-temporal analysis of vocal folds kinematics
11:05-11:20 **Chen, Z** Phase resolved acoustic radiation force optical coherence elastography for imaging and quantifying tissue biomechanic properties in vivo: Vocal folds applications
11:20-11:35 **Boudoux** Pediatric vocal fold imaging with OCT: A preliminary study in vivo
11:35-11:50 **Just** Kymographic analysis of vocal fold images
11:50-12:00 **Sova** Examination of the vocal fold using a 3D video reconstruction
12:00-12:15 **Cruz** NBI® and vocal folds
12:15-12:20 Q&A
12:20-1:30 *Lunch (On your own)/Exhibits*

Session 3 - Clinical Gadgets Chair - Osipenko

1:30-2:00 **FEATURED PRESENTATION**
Sataloff Technology evolution: Impact on clinical care
2:00-2:15 **Pais-Clemente** Technology in predictive, preventive and personalized voice care
2:15-2:35 **SPECIAL LECTURE**
Mendelsohn Computer assisted surgery: Current day application of robotics towards laryngeal surgery
2:35-2:45 **Quoidbach** Posturography for the voice
2:45-2:55 **Denizoglu** Vocal posturometer: A new device for controlling posture correction during voicing
2:55-3:05 **Fava** Effect of the Kinesio Taping® method on voice
3:05-3:20 **Yamauchi** Quantitative analysis of vocal fold vibration in normal and pathological voices using high-speed digital imaging
3:20-3:35 **Johnston** A quantitative analysis of VHI score correlation with patients' "percentage of normal voice"
3:35-4:00 *Break/Exhibits*

Session 4 - Clinical Novelties Chair - Myer

4:00-4:10 **Denizoglu** doctorVOX: A new device for voice therapy and vocal training
4:10-4:20 **Pedersen** Assessment of the vertical dimension of the glottic wave: Its clinical value
4:20-4:30 **Cruz** Oropharyngeal pH probe testing: Doubts about endoscopically diagnosing LPR
4:30-4:35 **Izdebski** Reversed Pressure Device®: A patent pending prototype
4:35-4:45 **Renk** In office procedures: The patient experience
4:45-5:05 **Lutch** The miracle of the in the office procedures
5:05-5:10 Q&A

Award Dinner

7:00-9:00 *Presentations of Hans von Leden, Herbert H. Dedo & PVSF Awards*
Note: This is a no-host event with a separate fee
GUEST ARTISTS
Monia Grassa
Monika Kolasa-Hladikova
Sharon Maxwell
Josef Schlömicher-Thier

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Saturday, October 3, 2015 - Day 2

8:15-9:00 *Breakfast/Exhibits*

Session 5 - Clinical Applications of Technology: NBI®, EMG, Alternative Technologies

Chair - Ross

- 9:00-9:10 **Reder** Monitoring of clinical progress using NBI®
- 9:10-9:20 **Osipenko** Game biofeedback in the treatment of patients with voice disorders
- 9:20-9:30 **Myer** Comparison of tensile strength of fibrin glue and suture in vocal fold microflap closure
- 9:30-9:40 **Tang** Botulinum toxin A dosage trends over time for adductor spasmodic dysphonia: A 15 year experience
- 9:40-9:55 **Ogawa** Humming effects on voice quality in patients with muscle tension dysphonia (MTD) and non-dysphonic speakers. Analysis of acoustic, electroglottographic parameters and thyroarytenoid electromyographic activities
- 9:55-10:05 **Hu** The effect of topical anesthesia on the characteristics of voice
- 10:05-10:15 **Blanco** Voice signal analysis using Vocalizer®: Visual pathology vs. acoustics
- 10:15-10:25 **Grzybowska** System supporting speaker assessment for emergency call center
- 10:25-10:35 **Coughlan** Imaging of vocal folds using VCSEL source
- 10:35-10:40 Q&A
- 10:40-11:15 *Break/Exhibits*

Session 6 - Transgender Voice

Chair - Pedersen

- 11:15-11:30 **Fake** Predicting voice outcomes in MTF transgender patients: Acoustics and visuals
- 11:30-11:45 **am Zehnhoff-Dinnesen** Voice changes in female-to-male gender dysphoric individuals
- 11:45-11:55 **Rainero** The effects of masculinization on the voice of a professional classical transman singer
- 11:55-12:05 **Kleinsasser** Analysing the transgender voice in an everyday situation: The telephone test
- 12:05-12:10 **Izdebski** Use of overtones to feminize voice in a MTF transgender patient. Does it make sense?
- 12:10-1:10 *Lunch/Exhibits*
- CASE REVIEW**
Bring your challenging cases for open discussion
- 1:10-1:30 **SPECIAL SKYPE LECTURE**
Hollien TBA

Session 7 - HSDP & Applications

Chair - am Zehnhoff-Dinnesen

- 1:30-1:45 **Kendall** High speed imaging in clinical practice
- 1:45-2:00 **Chen, W** Vibration in the pathological vocal fold and contra-lateral vocal fold following surgical intervention
- 2:00-2:15 **Pedersen** Estimates of pathological VF amplitude derived from HSDP. A tool for efficacious intervention
- 2:15-2:30 **Sielska** The use of phonovibrograms in clinical voice evaluation
- 2:30-2:45 **Di Lorenzo** What we have learned about Extreme Metal production from HSDP
- 2:45-2:55 **Yazaki** Basic singing physiology for singers: Endoscopic features and differences between classical & contemporary commercial singing
- 2:55-3:00 Q&A
- 3:00-3:30 *Break/Exhibits*

Session 8 - Clinical Protocols

Chair - Ward

- 3:30-3:45 **am Zehnhoff-Dinnesen** Self assessment and external rating of voice
- 3:45-4:00 **Behlau** Efficiency and cutoff values of self assessment instruments on the impact of a voice problem
- 4:00-4:10 **Oliveira** Coping strategies in voice disorders
- 4:10-4:25 **Sousa** Speaky-Voice Alive: An outreach project of a holistic concept of professional voice for beginners. Applications in Spain for post-surgery thyroid cancer patients
- 4:25-4:40 **Asher** Integrated voice science and neuromuscular exercises
- 4:40-4:50 **Hu** Atraumatic intubation: Experience using a 5.0 endotracheal tube without a stylet for laryngeal surgery
- 4:50-5:05 **Denizoglu** NIPA: Negative inertance phonatory apparatus
- 5:05-5:15 **Kearney** Communication options for the laryngectomized patient
- 5:15-5:30 **Schlömicher-Thier** Our protocol for treating psychogenic voice disorders
- 5:30-5:35 Q&A

Voice in the Hayes Valley: Innovations in care & pedagogy of artistic voice

San Francisco Conservatory of Music - Osher Salon

Sunday, October 4, 2015 - Day 3

9:00-9:05 *Opening Remarks by Krzysztof Izdebski and David Stull*

Session 9 - Brain & Emotions in the Singing Voice Chair - Fry

9:05-9:30 **MAIN LECTURE I**
am Zehnhoff-Dinnesen Neuronal basis of working memory during recited and sung phrases

9:30-9:45 **Pedersen** How far are we in understanding neuroscience and voice

9:45-10:00 **Viskontas** Your brain & your voice

10:00-10:15 **Neira** The physiological and functional process in the artistic voice

10:15-10:25 **Oliveira** How deep is your love? Vocal pitch attractiveness based on sexual orientation: Applications for stage and song

10:25-10:40 **Kochis-Jennings** EMG recordings in singers

10:40-11:10 *Break*

Session 10 - Technology & Challenges in Singing Chair - Oliveira

11:10-11:20 **Pedersen** Aspects of resonance: Comparison of high speed and overtone measurements

11:20-11:30 **Gannon** Reconceptualizing music performance anxiety: Theory and practice

11:30-11:40 **Di Lorenzo** Female extreme singing: Phoniatric, acoustical & aesthetic features

11:40-11:50 **Bohlin** Challenges of a chamber singer

11:50-12:05 **Kuzma** Challenges of singing in a large chorus

12:05-12:20 **Gunjawate** Clinical evaluation of voice using acoustic analysis in classical singers - A meta-analysis.

12:20-12:30 **Rust** Not so voice friendly medications

12:30-1:30 *Lunch (On your own)*
VIDEO SESSION
Gucciardo Laryngeal manipulations in artistic voice

Session 11 - Body Posturing & Voice Chair - Britton

1:30-1:55 **MAIN LECTURE II**
Zei-Pollermann Emotional contagion via physical synchronization with external rhythms transmitted by voice and speech prosody: Artistic applications

1:55-2:05 **Schlömicher-Thier** pH-Test and dietary advices at professional singers

2:05-2:15 **Denizoglu** Laryngoaltimeter: A new ambulatory device for laryngeal height control

2:15-2:25 **Kolasa-Hladikova** Qigong and tai chi movements result in proper posture and vocal training

2:25-2:35 **Quoidbach** Posturography for the singing voice

2:35-2:45 **Steele** Targeting vocal fatigue in the professional voice user

2:45-2:55 **Cruz** NBI® in singers: Findings & utility

Session 12 - Vital Voice Questions Chair - Kennedy

2:55-3:05 **Xie** The role of vocal hygiene education in prevention of dysphonia. A pragmatic perspective of a Chinese voice teacher

3:05-3:15 **Fry** What we want to hear at our auditions

3:15-3:25 **Stapp** Vowels and voice

3:25-3:35 **Smith** In search of vibrato

3:35-3:45 **Randolph** Technique is everything you have to do after you take the wrong breath

3:45-3:55 **Craig** The duet between doctor and voice teacher

3:55-4:05 **Britton** Alexander technique and voice

4:05-4:15 **Anderson** The singer's ear

4:15-4:25 **Pleasure** Working with a transgender singer

4:25-4:35 **Ulloa** Relationship between a coach, voice teacher, and singer

4:35-4:45 **Kjelin** What to expect from a singing lesson

4:45-5:00 **Asher** A scientific perspective on the extreme sport of aerial-singing

Workshops

5:10-6:00 **Boon** Speaking is harder than singing - Transition of vocal ability to speaking ability

Britton Alexander technique

Denizoglu Singing voice therapy and Lax Vox Voice Therapy Technique (LVVTT)

Di Lorenzo Extreme Metal

Drummond About certain musical affections

Gannon The performance anxiety toolbox

Kennedy Vocal cohesion regimen

Kolasa-Hladikova Qigong and tai chi movements for proper posture & vocal training

Neira The Neira method for the singing voice

Quoidbach Posturology for singers

Sadolin Complete vocal technique - An introduction to the method & the research