

## Papers to be presented (updated 1 July 2017)

### Symposium For Early-Career Researchers Thursday, 19 October 2017

Title	Authors	Mode	Proposed Session
The clinical and electromyography characteristics of idiopathic vocal fold paralysis	Liyu Cheng; Wen Xu; Qingwen Yang	Oral	Quantitative measurement in laryngology
Clinical Characteristics of Functional Dysphonia in Children	Jing Yang; Wen Xu	Oral	Quantitative measurement in laryngology
Application of stroboscopy and narrow band imaging endoscopy in the diagnosis of vocal cord leukoplakia	Li Juan; Xu Wen; Cheng liyu	Oral	Laryngeal imaging
The Effect of Subglottal Hypertrophy on Voice Function in Excised Canine Larynges	Xinlin Xu; Peiyun Zhuang; Ruiqing Wang; Yu Zhang	Oral	Acoustic voice and speech analysis
The Effect of False Vocal Fold Hypertrophy on Voice Function in Excised Canine Larynges	Xinlin Xu; Peiyun Zhuang; Yanchao Jiao; Yu Zhang	Oral	Acoustic voice and speech analysis
Motivation through Clarity: A Case Study of the Speech of a Core University English Teacher	Edward, Tsun-kit Yeung	Oral	Speech Analysis (Discourse Analysis)
Analysis of clinical characteristics of laryngospasm in adult	Xueyan Li; Wen Xu	Oral	Quantifying quality of life
Parental knowledge, attitudes and practices about vocal hygiene for their children in Chengdu, China: A cross-sectional study	Lu Dan; Yang Hui	Oral	Voice measurements for specific populations
My ongoing journey to independent investigator using a Mentored Quantitative Research Development Award (K25)	Liran Oren	Oral	

**Main AQL Conference**  
**Friday & Saturday, 20-21 October 2017**

<b>Title</b>	<b>Authors</b>	<b>Mode</b>	<b>Proposed Session</b>
Calibration of External lighting and sensing PGG against a replica of the larynx	Xavier Pelorson; Anne Bouvet; Annemie Van Hirtum; Angélique Amelot; Shinji Maeda; Kiyoshi Honda	Oral	Quantitative measurement in laryngology
Effects of vocal fold asymmetry and vocal tract inertia on the glottal flow	Liran Oren; Sid Khosla; Charles Farbos De Luzan; Ephraim Gutmark	Oral	Quantitative measurement in laryngology; Aerodynamic analysis
Findings in excised canine larynges that can be used for validation of non-tissue models of vocal fold vibration	Sid Khosla; Liran Oren ; Ephraim Gutmark	Oral	Quantitative measurements in laryngology
Quantifying Kymographic Waveform with Bezier curves	Pravin Kumar Subbaraj; Jan G. Švec; Jitka Vydrová; Barbara Zitová	Oral	Quantitative measurement in laryngology
How much loading does the water resistance therapy pose on the vocal folds?	Anne-Maria Laukkanen; Ahmed Geneid; Vítězslav Bula; Vojtěch Radolf; Jaromír Horáček	Oral	Quantitative measurement in laryngology
Volume velocity and acoustics measurements in a canine larynx model	Liran Oren; Sid Khosla; Charles Farbos De Luzan; Ephraim Gutmark	Oral	Quantitative measurement in laryngology; Aerodynamic analysis
Using quantitative laryngeal measurements to optimize treatment for unilateral vocal cord paralysis	Sid Khosla; Liran Oren; Ephraim Gutmark	Oral	Quantitative measurement in laryngology
Assessment of the Therapeutic Potential of a Vibratory Positive Expiratory Pressure (PEP) Device in the Treatment of Voice Disorders – a pilot study	Brian Saccente-Kennedy; Ruth Epstein; Pedro Amarante Andrade	Oral	Quantitative measurement in laryngology
The effects of error-reduced learning paradigm in speech intensity control	Sadahiro Omuro; Estella Ma; Rich Masters	Oral / Poster	Quantitative measurement in laryngology
Quantifying laryngoscopic evaluation	Edwin Yiu	Oral / Poster	Quantitative measurement in laryngology

<b>Title</b>	<b>Authors</b>	<b>Mode</b>	<b>Proposed Session</b>
Acoustic analysis with the program praat: a primer for voice clinicians	Youri Maryn	Poster	Acoustic voice and speech analysis
Acoustic and Electroglottographic Evaluation of Phonation Quality in Patients with Functional Dysphonia	Manfred Pützer	Poster	Acoustic voice and speech analysis; Electroglottography
Acoustic Voice Quality Index: meta-analysis of its diagnostic accuracy	Youri Maryn	Oral	Acoustic voice and speech analysis
Intensity level calibration of audio recording systems for clinical voice analysis: a practical approach	Youri Maryn; Andrzej Zarowski	Poster	Acoustic voice and speech analysis
Maximum pitch production in voice range profile as a measure of vocal function	Edwin Yiu; Elizabeth Barrett	Oral / Poster	Acoustic voice and speech analysis
Investigation of vocal fatigue in vocal loading tasks using neck-skin vibration signals: a case study	Zhengdong Lei; Nicole Yee-Key Li-Jessen; Luc Mongeau	Oral	Acoustic voice and speech analysis
Acoustic characteristics of Cantonese full tones and entering tones	Puisan Wong; Hoi Yin Chan; Chi Wai Chan	Oral	Acoustic voice and speech analysis
Refinement of Dual-channel Fiber-mask Pneumotachography by Amplitude Modulation Correction	Yujie Chi; Kiyoshi Honda; Jianguo Wei	Oral	Aerodynamic analysis
Identifying aeroacoustic sound sources during phonation – a hybrid acoustic PIV approach	Alexander Lodermeier; Matthias Tautz; Eman Bagheri; Michael Döllinger; Stefan Becker; Stefan Kniesburges	Oral	Aerodynamic analysis
Effects of ventricular folds in a computational larynx model	Stefan Kniesburges; Hossein Sadeghi; Michael Döllinger; Anne Schützenberger	Oral	Aerodynamic analysis
The influence of vocal fold mass lesions on vocal fold oscillatory dynamics in female singers' passaggio	Matthias Echternach; Fabian Burk; Florian Rose; Christian T Herbst; Michael Burdumy; Michael Dollinger; Bernhard Richter	Oral	Voice Physiology /Pathophysiology

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4D laryngeal imaging by synchronously combining OCT with videostroboscopy	Gopi Maguluri; Jesung Park; James B. Kobler; Nicusor Iftimia; Daryush D. Mehta	Oral	Laryngeal imaging
Magnetic resonance imaging of vibrating synthetic vocal fold replicas	Cassandra J. Taylor; Grayson Tarbox; Randy Hartley; Neal K. Bangerter; Scott L. Thomson	Oral	Laryngeal imaging
3D Analysis of the Movement of the Arytenoid cartilage after Montgomery Thyroplasty Type I	Storck Claudio; Lüthi Martin; Thommen Jan; Honegger Flurin; Unteregger Fabian	Oral	Laryngeal Imaging
Mucosal wave features and their appearance on the vocal folds: Updated findings and concepts	Jan G. Svec; Pravin Kumar Subbaraj; Jitka Vydrová; Frantisek Sram	Oral	Laryngeal Imaging
Eigenmodes in excised hemilarynx experiments	David A. Berry; Stefan Kniesburges; Michael Döllinger	Oral	High-speed imaging; Laryngeal Imaging
A new visual probabilistic assessment of vocal fold vibration	Alba Testar Tobar; Gabriel Galindo; Christian Castro; Matias Zañartu	Oral	High-speed imaging & kymography
Vocal Fold Segmentation in High-Speed Videoendoscopy of Connected Speech based on Active Contour Modeling	Maryam Naghibolhosseini; Dimitar D. Deliyski; Stephanie R.C. Zacharias; Alessandro de Alarcon; Robert F. Orlikoff	Oral	High-speed imaging
Strobe with EASE for working singers-relationship between self-reported voice status & stroboscopy findings	Debra Phyland; Neil Vallance; Julian Smith	Oral	Stroboscopy; Occupational voice; Quantifying impact of vocal load
Functional data analysis of vocal tract area functions	Jorge Carlos Lucero	Oral	Computer modeling and simulation
Voice instabilities due to source-tract interaction	Zhaoyan Zhang	Oral	Computer modeling and simulation

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Laryngeal muscle activation noise for physiologically-based models of phonation	Rodrigo Manríquez Peralta; Sean Peterson; Pavel Prado; Patricio Orio; Matías Zañartu	Oral	Computer modeling and simulation
Computational and Experimental Modelling of the Effects of Voice Therapy Using Tubes	Jaromír Horáček; Vojtěch Radolf; Vítězslav Bula; Anne-Maria Laukkanen	Oral	Computer modeling and simulation
Influence of Cover Layer Thickness on Vocal Fold Dynamics During Fluid-Structure Interaction	Weili Jiang; Qian Xue; Xudong Zheng	Oral	Numerical simulation
A computational study of the myoelastic-aerodynamic mechanism in bird vocalization	Weili Jiang; Jeppe H. Rasmussen; Xudong Zheng; Coen P.H. Elemans; Qian Xue	Oral	Numerical simulation
Investigation of the Macrophage Response to Chitosan-Glycol Hydrogel	Patrick Thomas Coburn; Nicole Li-Jessen	Oral	Tissue Engineering & Biomaterials
The differentiation characteristics of adipose derived mesenchymal stem cells after implanting into the injured vocal folds	Rong Hu; Wen Xu	Oral	Tissue Engineering
Rayleigh wave method for measuring the frequency-dependent shear modulus	Marius Müller; Luc Mongeau	Oral	Tissue engineering
A Novel Injectable Biomaterial for Vocal Fold Tissue Engineering	Neda Latifi; Meisam Asgari; Luc Mongeau	Oral	Tissue Engineering
Humming Voice Therapy Trains a Patient with Vocal Cord Polyps-A Case Report	Yang Cai-rong; Wang guang-ke; Liu Hong-jian	Poster	Voice therapy
Classification of patients with muscle tension dysphonia and matched-controls using ambulatory voice monitoring	Juan Pablo Cortés; Matías Zañartu; Daryush D. Mehta; Jarred H. Van Stan; Robert E. Hillman	Oral	Advanced approaches in voice assessment
Classification of Neck Surface EMG Signals for the Early Detection of Vocal Dysfunction	Guilherme N. DeSouza; Yixiang Gao; Maria Dietrich	Oral	Advanced approaches in voice assessment

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Explorations in the acoustic measurement of rate, perturbation and extent of tremor across the speech system	Youri Maryn; Julie Barkmeier-Kraemer	Oral	Voice measurements for specific populations; Acoustic voice and speech analysis
The effect of voice therapy on advanced symptomatic thyroidectomy-related unilateral vocal fold paralysis	Faya Liang; Jinshan Yang; Zhong Guan; Xueyuan Zhang; Yiqing Zheng; Xiaoming Huang	Poster	Voice measurements for specific populations
Does teaching level affect vocal loading? A voice dosimetry study on kindergarten, primary, and secondary school teachers.	Isabel S. Schiller; Dominique Morsomme; Angélique Remacle	Poster	Voice measurements for specific populations
To assess quality of voice in early glottic cancer patients treated with radiotherapy	Gurmit Kaur Bachher	Oral	Voice measurements for specific populations