



Detailed Programme [Updated on 30 September 2017]

Symposium for Early-Career Researchers and Postgraduates (Pre-conference Workshop III)

Venue: Room 750-753, Meng Wah Complex, The University of Hong Kong
Panel members: Ron Baken, Michael Döllinger, Ron Scherer, Wen Xu, Edwin Yiu, Peiyun Zhuang
Moderator: Dai Pu

Thursday, 19 October 2017	
Time	Agenda
12:00noon	Registration Opens & Exhibitions <i>Room 750-753, Meng Wah Complex</i>
12:30pm	Introduction and Welcome <i>Estella Ma & Edwin Yiu</i>
12:45pm	KEYNOTE LECTURE: Ultrasonography of the pediatric larynx <i>Wen Xu</i> <i>Chair: Estella Ma</i>
1:30pm – 2:15pm	SESSION A:
1:30pm	My ongoing journey to independent investigator using a Mentored Quantitative Research Development Award (K25) <i>Liran Oren</i>
1:40pm	The clinical and electromyography characteristics of idiopathic vocal fold paralysis <i>Liyu Cheng, Wen Xu, Qingwen Yang</i>
1:50pm	Clinical characteristics of functional dysphonia in children <i>Jing Yang, Wen Xu</i>
2:00pm	Panel Feedback on Session A
2:15pm	Coffee Break & Exhibitions

2.30pm	KEYNOTE LECTURE: How to differentiate arytenoid dislocation and recurrent laryngeal nerve paralysis? <i>Peiyun Zhuang</i> <i>Chair: Estella Ma</i>
3:15pm – 4:00pm	SESSION B:
3:15pm	The effect of subglottal hypertrophy on voice function in excised canine larynges <i>Xinlin Xu, Peiyun Zhuang, Ruiqing Wang, Yu Zhang</i>
3:25pm	The effect of false vocal fold hypertrophy on voice function in excised canine larynges <i>Xinlin Xu, Peiyun Zhuang, Yanchao Jiao, Yu Zhang</i>
3:35pm	Parental knowledge, attitudes and practices about vocal hygiene for their children in Chengdu, China: A cross-sectional study <i>Lu Dan, Yang Hui</i>
3:45pm	Panel Feedback on Session B
4:00pm	Coffee Break & Exhibitions
4:15pm – 5:00pm	SESSION C:
4:15pm	Application of stroboscopy and narrow band imaging endoscopy in the diagnosis of vocal cord leukoplakia <i>Li Juan, Xu Wen, Cheng Liyu</i>
4:25pm	Motivation through clarity: a case study of the speech of a core university English teacher <i>Edward Tsun-kit Yeung</i>
4:35pm	Analysis of clinical characteristics of laryngospasm in adult <i>Li Xueyan, Wen Xu</i>
4:45pm	Panel Feedback on Session C
5:00pm	Conclusion and Adjourn

Main AQL Conference

Venue: Ballroom II, Courtyard Marriott Shatin

Friday, 20 October 2017	
Time	Agenda
8:30am	Registration Opens and Tea Reception <i>Foyer outside Ballroom II</i>
9:00am	Opening and Welcome <i>Estella Ma & Edwin Yiu</i>
9:15am	KEYNOTE LECTURE: Endoscopic High-Speed Imaging 2.0 <i>Michael Döllinger</i> Chair: Estella Ma
10:00am – 11:00am	SESSION 1A: Quantitative Measurement In Laryngology Chair: Ron Baken
10:00am	1. Calibration of external lighting and sensing PGG against a replica of the larynx <i>Xavier Pelorson, Anne Bouvet, Annemie Van Hirtum, Angélique Amelot, Shinji Maeda, Kiyoshi Honda</i>
10:15am	2. Effects of vocal fold asymmetry and vocal tract inertia on the glottal flow <i>Liran Oren, Sid Khosla, Charles Farbos De Luzan, Ephraim Gutmark</i>
10:30am	3. Findings in excised canine larynges that can be used for validation of non-tissue models of vocal fold vibration <i>Sid Khosla, Liran Oren, Ephraim Gutmark</i>
10:45am	4. Quantifying kymographic waveform with Bezier curves <i>Pravin Kumar Subbaraj, Jan G. Švec, Jitka Vydrová, Barbara Zitová</i>
11:00am	Coffee Break with Poster Presentations & Exhibitions <i>Ballroom III</i>
	List of Poster Presentations [1] Humming voice therapy trains a patient with vocal cord polyps – A case report <i>YANG Cai-rong, Wang guang-ke, Liu Hong-jian</i> [2] Investigation of surgical adhesives' strength for vocal fold wound closure using a porcine model <i>Leixi Christina Chen, Maxence Coulombe, François Barthelat, Luc Mongeau</i>

	<p>List of Poster Presentations (con't)</p> <p>[4] Acoustic and electroglottographic evaluation of phonation quality in patients with functional dysphonia <i>Manfred Pützer</i></p> <p>[5] Intensity level calibration of audio recording systems for clinical voice analysis: a practical approach <i>Youri Maryn, Andrzej Zarowski</i></p> <p>[6] Acoustic analysis with the program praat: a primer for voice clinicians <i>Youri Maryn</i></p> <p>[7] A surface electromyographic (sEMG) study on the effects of straw phonation in vocally fatigued individuals <i>Elaine Kwong, Jasmine Man-lee Hung</i></p> <p>[8] Quantifying laryngoscopic evaluation <i>Edwin M.L. Yiu, Vivian C.Y. Lau, Estella P.-M. Ma, Karen M.-K. Chan, Elizabeth Barrett</i></p>
11:30am – 12:30pm	<p>SESSION 1B: Quantitative Measurement In Laryngology Chair:</p>
11:30am	<p>5. How much loading does the water resistance therapy pose on the vocal folds? <i>Anne-Maria Laukkanen, Ahmed Geneid, Vítězslav Bula, Vojtěch Radolf, Jaromír Horáček</i></p>
11:45am	<p>6. Volume velocity and acoustics measurements in a canine larynx model <i>Charles Farbos De Luzan, Liran Oren, Ephraim Gutmark, Sid Khosla</i></p>
12:00noon	<p>7. Using quantitative laryngeal measurements to optimize treatment for unilateral vocal cord paralysis <i>Sid Khosla, Liran Oren, Ephraim Gutmark</i></p>
12:15pm	<p>8. Assessment of the therapeutic potential of a vibratory positive expiratory pressure (PEP) device in the treatment of voice disorders – a pilot study <i>Brian Saccente-Kennedy, Ruth Epstein, Pedro Amarante Andrade</i></p>
12:30pm	<p>Buffet Lunch at MoMo Café</p>
2:00pm – 3:15pm	<p>SESSION 2: Computer modeling and simulation Chair: Nicole Li-Jessen</p>
2:00pm	<p>9. A computational study of the myoelastic-aerodynamic mechanism in bird vocalization <i>Weili Jiang, Jeppe H. Rasmussen, Xudong Zheng, Coen P.H. Elemans, Qian Xue</i></p>

2:15pm	10. Laryngeal muscle activation noise for physiologically-based models of phonation <i>Rodrigo Manríquez Peralta, Sean Peterson, Pavel Prado, Patricio Orio, Matías Zañartu</i>
2:30pm	11. Computational and experimental modelling of the effects of voice therapy using tubes <i>Jaromír Horáček, Vojtěch Radolf, Vítězslav Bula, Anne-Maria Laukkanen</i>
2:45pm	12. Influence of cover layer thickness on vocal fold dynamics during fluid-structure interaction <i>Weili Jiang, Qian Xue, Xudong Zheng</i>
3:00pm	13. Voice instabilities due to source-tract interaction <i>Zhaoyan Zhang</i>
3:15pm – 6:30pm	Complimentary Tour at Wong Tai Sin Temple (http://www1.siksikyuen.org.hk/en/siksikyuen-home)
3:15pm	Shuttle Bus Leaving Courtyard by Marriot Shatin
4:00pm	Introduction and Guided Tour at Wong Tai Sin Temple
5:45pm	Shuttle Bus Leaving for Gala Dinner
6:30pm	Gala Dinner at Beijing Home (https://tinyurl.com/ydygu5fv)

Saturday, 21 October 2017	
Time	Agenda
8:30am	Registration Opens <i>Foyer outside Ballroom II</i>
9:00am	KEYNOTE LECTURE: Laryngeal aerodynamic modulation: airflow vibrato <i>Ronald C. Scherer</i> Chair: Edwin Yiu
9:45am – 10:45am	SESSION 3: Aerodynamic Analysis Chair: Pui-san Wong
9:45am	14. Refinement of dual-channel fiber-mask pneumotachography by amplitude modulation correction <i>Yujie Chi, Kiyoshi Honda, Jianguo Wei</i>
10:00am	15. Identifying aeroacoustic sound sources during phonation – a hybrid acoustic PIV approach <i>Alexander Lodermeier, Matthias Tautz, Eman Bagheri, Michael Döllinger, Stefan Becker, Stefan Kniesburges</i>

10:15am	16. Effects of ventricular folds in a computational larynx model <i>Stefan Kniesburges, Hossein Sadeghi, Michael Döllinger, Anne Schützenberger</i>
10:30am	17. The influence of vocal fold mass lesions on vocal fold oscillatory dynamics in female singers' passaggi <i>Matthias Echternach, Fabian Burk, Florian Rose, Christian T Herbst, Michael Burdumy, Michael Döllinger, Bernhard Richter</i>
10:45am	Coffee Break with Poster Presentations & Exhibitions <i>Ballroom III</i>
11:00am – 12:30pm	SESSION 4: Laryngeal Imaging Chair: Luc Mongeau
11:00am	18. 4D laryngeal imaging by synchronously combining OCT with videostroboscopy <i>Daryush Mehta, Gopi Maguluri, Jesung Park, James B. Kobler, Nicusor Iftimia</i>
11:15am	19. Magnetic resonance imaging of vibrating synthetic vocal fold replicas <i>Scott Thomson, Cassandra J. Taylor, Grayson Tarbox, Randy Hartley, Neal K. Bangerter</i>
11:30am	20. A new visual probabilistic assessment of vocal fold vibration <i>Christian Castro, Alba Testar Tobar, Gabriel Galindo, Matias Zañartu</i>
11:45am	21. Eigenmodes in excised hemilarynx experiments <i>David Berry, Stefan Kniesburges, Michael Döllinger</i>
12:00noon	22. Mucosal wave features and their appearance on the vocal folds: Updated findings and concepts <i>Jan G. Svec, Pravin Kumar Subbaraj, Jitka Vydrová, Frantisek Sram</i>
12:15pm	23. Vocal fold segmentation in high-speed videoendoscopy of connected speech based on active contour modeling <i>Maryam Naghibolhosseini, Dimitar D. Deliyski, Stephanie R.C. Zacharias, Alessandro de Alarcon, Robert F. Orlikoff</i>
12:30pm	Buffet Lunch at MoMo Café
2:00pm – 3:00pm	SESSION 5: Tissue Engineering Chair: Jan Svec
2:00pm	24. Investigation of the macrophage response to chitosan-glycol hydrogel <i>Patrick Thomas Coburn, Nicole Li-Jessen</i>
2:15pm	25. The differentiation characteristics of adipose derived mesenchymal stem cells after implanting into the injured vocal folds <i>Rong Hu, Wen Xu</i>

2:30pm	26. Rayleigh wave method for measuring the frequency-dependent shear modulus <i>Marius Müller, Luc Mongeau</i>
2:45pm	27. A novel injectable biomaterial for vocal fold tissue engineering <i>Neda Latifi, Meisam Asgari, Luc Mongeau</i>
3:00pm	Coffee Break with Poster Presentations & Exhibitions <i>Ballroom III</i>
3:15pm – 4:45pm	SESSION 6: Acoustic voice and speech analysis; Voice measurements Chair: Brian Saccente-Kennedy
3:15pm	28. Acoustic Voice Quality Index: meta-analysis of its diagnostic accuracy <i>Youri Maryn</i>
3:30pm	29. Investigation of vocal fatigue in vocal loading tasks using neck-skin vibration signals: a case study <i>Zhengdong Lei, Nicole Yee-Key Li-Jessen, Luc Mongeau</i>
3:45pm	30. Acoustic characteristics of Cantonese full tones and entering tones <i>Puisan Wong, Hoi Yin Chan, Chi Wai Chan</i>
4:00pm	31. Classification of neck surface EMG signals for the early detection of vocal dysfunction <i>Yixiang Gao, Guilherme N. DeSouza, Maria Dietrich,</i>
4:15pm	32. Classification of patients with muscle tension dysphonia and matched-controls using ambulatory voice monitoring <i>Juan Pablo Cortés, Matías Zañartu, Daryush D. Mehta, Jarred H. Van Stan, Robert E. Hillman</i>
4:30pm	33. Explorations in the acoustic measurement of rate, perturbation and extent of tremor across the speech system <i>Youri Maryn, Julie Barkmeier-Kraemer</i>
5:00pm	AQL Conference Closing Remarks