

Program of the 10th AQL International Conference

Sunday, June 2, 2013

8:00am	Workshops registration and coffee - lobby of room S1.203, 'Location S' building, 1 st floor
8:30am-5:30pm	Workshops 1, 2, 3 & 5 (see the AQL Workshops program for specifics)
6:00pm-8:00pm	AQL Pre-registration - Kingsgate Marriott, 1 st floor indoor area
7:00pm-9:00pm	AQL Welcome Reception - Kingsgate Marriott, 1 st floor outdoor patio

Monday, June 3, 2013

7:30am	Conference registration and breakfast - lobby of Kingsgate Ballroom, 2 nd floor
8:00am-8:25am	Opening and welcome - Kingsgate Ballroom <i>Myles L. Pensak, Scott K. Holland, Ann W. Kummer, and AQL chairpersons</i>
8:25am-8:30am	Announcing the AQL Best Paper Awards
8:30am-9:20am	Keynote lecture: Robin T. Cotton "A Mandate for Translational Science: Opening the Airway and Closing the Gap" <i>Moderator: Alessandro de Alarcon</i>
9:20am-11:00am	Special Session: Remote Voice Assessment and Treatment Part I – Telehealth <i>Moderator: Lisa N. Kelchner</i>
9:20am	"Telehealth: The global perspective" <i>Charles R. Doarn</i>
9:35am	"Access to Pediatric Voice Therapy: A telehealth solution?" <i>Lisa N. Kelchner</i>
9:50am	"Breaking the Sound Barrier - meeting the challenge of occupational voice disorders in Europe" <i>Ruth Epstein, Annika Szabo Portela, Shashivadan P. Hirani</i>
10:05am	"Advances in Telehealth for the Delivery of Voice Therapy: The Australian experience" <i>Deborah Theodoros, Anne Hill, Trevor Russell</i>
10:20am	"Using Popular Mobile Technology to Influence and Monitor Patient Voice Use" <i>Eva van Leer</i>
10:35am	Discussion panel on Telehealth
11:00am-11:15am	Coffee break with exhibitors - Ballroom lobby
11:15am-12:40pm	Special Session: Remote Voice Assessment and Treatment Part II – Ambulatory Monitoring <i>Moderator: Ingo R. Titze</i>
11:15am	"Voice Dosimetry: Basic Definitions and Risk Criteria for Prolonged Vocalization" <i>Ingo R. Titze, Eric J. Hunter</i>
11:30am	"A budget Voice Dosimetry System for Research: Benefits and Limitations" <i>Eric J. Hunter</i>
11:45am	"An Innovative Multi-Purpose Portable Voice Laboratory" <i>Claudia Manfredi, Silvia Orlandi, Maria Luisa Scattoni, Naxhilda Rruqja, Giovanna Cantarella, Philippe H. Dejonckere</i>
12:00pm	"Future Directions in the Development of Ambulatory Monitoring for Clinical Voice Assessment" <i>Robert E. Hillman, Matías Zañartu, Marzyeh Ghassemi, Daryush D. Mehta, Jarrad H. Van Stan, Harold A. Cheyne II, John V. Guttag</i>
12:15pm	Discussion panel on Ambulatory Monitoring

12:40pm-1:50pm	Lunch and meeting with exhibitors - Ballroom lobby <i>Exhibitors: KayPENTAX, Olympus, Bryan Medical</i>
12:40pm-1:50pm	Poster session: meet the presenters - Ballroom lobby (displayed until Tuesday, 6:00pm) [1] "Acoustic and High-Speed Video Synchronization of Clinical Recordings for Enhanced Feature Estimations" <i>Sean M. Hamlet, Kevin D. Donohue, Harikrishnan Unnikrishnan, Rita R. Patel</i> [2] "Effects of frame rates and window size in objective analysis of high-speed videoendoscopy using harmonic models" <i>Takeshi Ikuma, Andrew J. McWhorter, Melda Kunduk</i> [3] "Modulation of Voice Related to Simulated Vocal Fold Length Change With Cricothyroid and Thyroarytenoid Muscle Activation" <i>Rosemary A. Lester, Brad H. Story</i> [4] "Considering Subglottal Acceleration, Electroglottographic and Sound Pressure Signals of Different Phonation Qualities" <i>Manfred Pützer, Wolfgang Wokurek</i> [5] "Acoustic and Electroglottographic Voice Characteristics in Stuttering: Data from Two Cases" <i>Dobrinka Georgieva</i> [6] "Acoustic and Electroglottographic Voice Characteristics in Stuttering: Group Study" <i>Dobrinka Georgieva</i> [7] "Electrical Pacing Of Paralyzed Larynx Improves Ventilation and Voice Over Conventional Surgery To Enlarge The Airway" <i>Yike Li, Elizabeth Pearce, Rajshri Mainthia, Sanjay Athavale, Cheryl Billante, David Zealear</i> [8] "Syllable stress characteristics in patients with upper airway and laryngeal disorders" <i>Susan Baker Brehm, Laura Schwietering, Hannah Eppley, Amber Franklin, Barbara Weinrich, Alessandro deAlarcon</i> [9] "Determining time- and frequency-based acoustic correlates of listener effort in tracheoesophageal speech" <i>Kathy Nagle, Tanya Eadie</i> [10] "Physiological Aspects and Methodological Considerations of Long-term Average Spectrum Measures" <i>Jason A. Whitfield, Alexander M. Goberman</i> [11] "The impact of dysphonia as predicted by self-report, perceptual and acoustic measures: Is intelligibility at risk?" <i>Keiko Ishikawa, Lisa Kelchner, Marepalli Rao, Stephanie Zacharias, Susan B. Brehm, Barbara Weinrich, Alessandro de Alarcon</i> [12] "An exciting comparison: Roex vs. compressive gammachirp auditory excitation patterns in models of voice quality" <i>Lisa M. Kopf, Mark D. Skowronski, Rahul Shrivastav, David A. Eddins</i> [13] "Evaluation of a roughness acoustic correlate" <i>João Pedro Hallack Sansão, Hani Camille Yehia, Maurílio Nunes Vieira</i> [14] "Evaluation of breathiness acoustic correlates under different compression levels" <i>João Pedro Hallack Sansão, Hani Camille Yehia, Maurílio Nunes Vieira</i> [15] "Ambulatory monitoring of teachers' voice use" <i>Angélique Remacle, Dominique Morsomme, Camille Finck</i> [16] "Device used to locate proper position of window for medialization thyroplasty" <i>Matthew R. Hoffman, Benjamin L. Smith, Charles N. Ford, Seth H. Dailey, Jack J. Jiang</i>

1:50pm-2:40pm	Keynote lecture: Gerald S. Berke “Biomechanics of Vocal Fold Motion: Revisited” <i>Moderator: Sid Khosla</i>
2:40pm-3:55pm	Session 1: Laryngeal Imaging - Clinical Data <i>Moderator: Dimitar D. Deliyski</i>
2:40pm	“Clinical Evidence of the Efficacy of High-Speed Videoendoscopy in the Evaluation of Vocal Fold Vibration” <i>Stephanie RC Zacharias, Terri Treman Gerlach, Dimitar D. Deliyski</i>
2:55pm	“Primary compensatory speech strategy in post-glossectomy patients – a 4D tagged MRI study” <i>Emi Z. Murano, Fangxu Xing, Jonghye Woo, Junghoon Lee, Maureen Stone, Jerry L. Prince</i>
3:10pm	“Vibratory features of supraglottal phonation present in high-speed videoendoscopy versus videostroboscopy” <i>Charles M. Myer IV, Stephanie RC Zacharias, Jareen Meinzen-Derr, Lisa Kelchner, Dimitar D. Deliyski, Alessandro de Alarcon</i>
3:25pm	“Quantitative Measurement of Vocal Fold Vibration in Male Radio Performers and Healthy Controls using High-Speed Videoendoscopy” <i>Samantha Warhurst, Edwin Yiu, Patricia McCabe, Robert Heard, Gaowu Wang, Catherine Madill</i>
3:40pm	Discussion panel on Laryngeal Imaging
3:55pm-4:10pm	Coffee break with exhibitors - Ballroom lobby
4:10pm-5:40pm	Clinical-Translational Science Workshop - Mt. Echo conference room, 1 st floor <i>Moderator: Ingo R. Titze</i>
4:10pm	“Scientific Background and Clinical Utility of Semi-Occluded Vocal Tract (SOVT) Exercises: A Clinical Workshop” <i>Marci Rosenberg, Wendy LeBorgne</i>
5:10pm	Discussion panel on Semi-Occluded Vocal Tract
4:10pm-5:40pm	Session 2: Laryngeal Imaging - Methodology and Experimental Data <i>Moderator: Claudia Manfredi</i>
4:10pm	“Voice production at soprano high fundamental frequencies” <i>Matthias Echternach, Michael Döllinger, Johan Sundberg, Louisa Traser, Bernhard Richter</i>
4:25pm	“Effects of Pitch, Loudness and Phonation Types on Voice Initiation and Offset Investigated with High-Speed Imaging” <i>Melda Kunduk, Jing Chen, Andrew J. McWhorter, Bahadir Gunturk</i>
4:40pm	“Harmonics-to-Noise Ratios in Acoustic and Glottal Area Waveforms: A Study of Breathy Vocal Quality” <i>Takeshi Ikuma, Andrew J. McWhorter, Melda Kunduk</i>
4:55pm	“Bridging Between Glottal Area and Glottal Width Waveforms with Discrete Haar Wavelet Filter Bank” <i>Takeshi Ikuma, Andrew J. McWhorter, Melda Kunduk</i>
5:10pm	“Transnasal high-speed videoendoscopy” <i>Simon Petermann, Michael Döllinger, Ulrich Eysholdt, Lisa Göderer, Anke Ziethe</i>
5:25pm	Discussion panel on Laryngeal Imaging
5:40pm	Adjourn - Day One
6:30pm-6:40pm	Busses leaving for gala dinner - Kingsgate Marriott lobby on 1 st floor
6:45pm-7:30pm	Cocktails - Music Hall foyer (downtown Cincinnati)
7:30pm-9:45pm	AQL gala dinner, AQL Best Paper Awards ceremony and entertainment - Corbett Tower
10:00pm-10:10pm	Busses leaving to Kingsgate Marriott - Music Hall foyer/front

Tuesday, June 4, 2013

7:30am	Conference registration and breakfast - lobby of Kingsgate Ballroom, 2 nd floor
8:00am-8:50am	Keynote lecture: Mark S. Courey “Unilateral Vocal Fold Paralysis – The Unanswered Questions” <i>Moderator: Sid Khosla</i>
9:00am-10:45am	Session 3: Modeling and Simulation <i>Moderator: Sid Khosla</i>
9:00am	“A 3D numerical simulation of wave propagation on the vocal fold surface” <i>Fang-Bao Tian, Siyuan Chang, Haoxiang Luo, Bernard Rousseau</i>
9:15am	“Phonation and Collision Threshold Pressure Obtained using a 3-Mass Model of Phonation” <i>Brittany L. Frazer, Ronald C. Scherer</i>
9:30am	“A computational study on the aerodynamic effects of the ventricular folds oscillation” <i>Mehrdad Hosnieh Farahani, John Mousel, Fariborz Alipour, Sarah Vigmostad</i>
9:45am	“Fabrication of synthetic multi-layer vocal fold models based on FEM-simulations and in vitro experiments” <i>Veronika Birk, Bastian Schmidt, Michael Stingl, Sandra Weiß, Alexander Sutor, Stefan Kniesburges, Georg Luegmair, Stefan Becker, Michael Döllinger</i>
10:00am	“Effects of Stiffness Asymmetry in Synthetic Vocal Fold Models with MRI-Based Geometry” <i>Shelby C. Ward, Scott L. Thomson</i>
10:15am	“Aerodynamic effects of glottal width in the asymmetric glottis: Two oblique glottal configurations” <i>Jason A. Whitfield, Ronald C. Scherer</i>
10:30am	Discussion panel on Modeling
10:45am-11:00am	Coffee break with exhibitors - Ballroom lobby
11:00am-12:30pm	Session 4: Modeling- Measurement, Morphometry and Imaging <i>Moderator: Sid Khosla</i>
11:00am	“Elasticity measurements in the superior/inferior aspect of the vocal fold” <i>Douglas Dembinski, Liran Oren, Ephraim Gutmark, and Sid Khosla</i>
11:15am	“Aeroacoustic sources in phonation: formulation” <i>Michael Krane</i>
11:30am	“Aeroacoustic sources in phonation: measurement” <i>Michael McPhail, Elizabeth Campo, Michael Krane</i>
11:45am	“High-speed videomicroscopy and acoustic analysis of ex vivo vocal fold vibratory asymmetry” <i>Daryush D. Mehta, Georg Luegmair, James B. Kobler, Robert E. Hillman, Alyson A. Young, Melissa L. Cooke, Michael Döllinger</i>
12:00pm	“Anisotropic Hyperelastic Response of Vocal Fold Tissue Affects Vocal Pitch Rise” <i>Jordan E. Kelleher, Thomas Siegmund, Roger W. Chan</i>
12:15pm	Discussion panel on Modeling
12:30pm-1:15pm	Lunch and meeting with exhibitors - Ballroom lobby <i>Exhibitors: KayPENTAX, Olympus, Bryan Medical</i>
12:40pm-1:10pm	Instrumental Workshop - Business Room, 2 nd floor “Real-time estimation of subglottal pressure using a handheld, self-contained device” <i>Martin Rothenberg</i>
1:15pm-2:05pm	Keynote lecture: Marshall E. Smith “Some Lessons Learned from Laryngeal Electrodes” <i>Moderator: Alessandro de Alarcon</i>

2:15pm-3:30pm	Session 5: Electroglottography <i>Moderator: Robert F. Orlikoff</i>
2:15pm	“Estimation of the vertical glottal shape based on empirical high-speed video and electroglottographic data” <i>Christian T. Herbst, W. Tecumseh Fitch, Jörg Lohscheller, Jan G. Švec</i>
2:30pm	“Characterizing the “Offset of Contact” Morphology of the Electroglottogram” <i>Maria E. Golla Powell, Robert F. Orlikoff, Dimitar D. Deliyski</i>
2:45pm	“A Measure for the Perceptual Quality of Strain: An Electroglottographic Analysis of Continuous Dysphonic Speech” <i>Keerthan Somanath, Ted Mau</i>
3:00pm	“Vocal Effects in Singing: A study of intentional distortion using laryngostroboscopy and electrolaryngography” <i>Julian A. McGlashan, Mark Sayles, Henrik Kjelin, Cathrine Sadolin</i>
3:15pm	Discussion panel on Electroglottography
3:30pm-3:45pm	Coffee break - Ballroom lobby
3:45pm-5:00pm	Session 6: Acoustic and Perceptual Analysis <i>Moderator: Rahul Shrivastav</i>
3:45pm	“The Effect of Phonetic Context on Relative Fundamental Frequency” <i>Yu-An S. Lien, Caitlin I. Gattuccio, Cara E. Stepp</i>
4:00pm	“Is breathiness a quality specific to voices or a quality of sounds in general?” <i>Rahul Shrivastav, David A. Eddins</i>
4:15pm	“Voice tremor in Parkinson's disease (PD): identification, characterisation and relationship with disease variables” <i>Patricia Gillivan-Murphy, Nick Miller, Paul Carding, Timothy Lynch</i>
4:30pm	“The effects of subcutaneous testosterone implantation on the female voice” <i>Jennifer Rising Kegyes, Wendy D. LeBorgne, Rebecca Glaser</i>
4:45pm	Discussion panel on Acoustic and Perceptual Analysis
5:00pm-6:00pm	Session 7: Measurement and Imaging Devices <i>Moderator: Dimitar D. Deliyski</i>
5:00pm	“Rethinking the Interpolation Method for Estimating Subglottal Pressure” <i>Martin Rothenberg</i>
5:15pm	“A flexible low cost high-speed camera system for vocal fold analyses” <i>Hans Larsson, Stellan Hertegård</i>
5:30pm	“Unsupervised Clustering of Extreme Vocal Effects” <i>Oriol Nieto</i>
5:45pm	Discussion panel on Measurement and Imaging Devices
6:00pm-6:20pm	AQL Conference closing remarks and adjourn <i>Daniel I. Choo, and AQL chairpersons</i>

Wednesday, June 5, 2013

8:00am	Workshops registration and coffee - lobby of room S1.203, 'Location S' building, 1 st floor
8:30am-11:00am	AQL Special Workshop - Children's Hospital, Location S building, room S1.203 “Gender equality: Building the international network of women in voice research” <i>organized by Anke Ziethe and Veronika Birk</i>
8:30am-5:30pm	Workshops 1, 4, 5 & 6 (see the AQL Workshops program for specifics)

Program of the AQL Student Workshops

Sunday, June 2, 2013

8:00am	Workshops registration and coffee/breakfast	Lobby room S1.203
8:30am-11:00am	Morning workshops with coffee break 9:45am-10:00am Workshop 1: "The relationship between vortices, acoustics, and vocal fold vibrations: theory and experimental techniques" <i>Sid Khosla, Martin Rothenberg and Liran Oren</i> Workshop 3: "Voice disorders and clinical voice assessment" <i>Bernice Klaben</i>	Lucas Conference Room, Medical Sciences Building Room S1.203, Location S
11:30am-2:30pm	Mid-day workshops with lunch break 12:45pm-1:30pm Workshop 2: "Voice and speech: How voice affects intelligibility" <i>Suzanne Boyce</i> Workshop 3: "Voice disorders and clinical voice assessment" <i>Bernice Klaben</i>	Room 335, French-East Building Room S1.203, Location S
3:00pm-5:30pm	Afternoon workshops with coffee break 4:15pm-4:30pm Workshop 2: "Voice and speech: How voice affects intelligibility" <i>Suzanne Boyce</i> Workshop 5: "Laryngeal imaging and quantitative voice assessment" <i>Dimitar Deliyski, Stephanie Zacharias, Robert Orlikoff and Daryush Mehta</i>	Room 335, French-East Building Room S1.203, Location S
6:00pm-8:00pm	AQL Pre-registration - Kingsgate Marriott, 1 st floor	Indoor area
7:00pm-9:00pm	AQL Welcome Reception - Kingsgate Marriott, 1 st floor	Outdoor patio

Wednesday, June 5, 2013

8:00am	Workshops registration and coffee/breakfast	Lobby room S1.203
8:30am-11:00am	Morning workshops with coffee break 9:45am-10:00am Special Workshop: "Gender equality: Building the international network of women in voice research" <i>Anke Ziethe and Veronika Birk</i> Workshop 4: "Contemporary Care of the Pediatric Voice: Perspectives from Laryngology and Speech Pathology" <i>Alessandro de Alarcon, Lisa Kelchner, Barbara Weinrich and Susan Brehm</i>	Room S1.203, Location S Cotton Striker Room D3.250, Location D
11:30am-2:30pm	Mid-day workshops with lunch break 12:45pm-1:30pm Workshop 1: "The relationship between vortices, acoustics, and vocal fold vibrations: theory and experimental techniques" <i>Sid Khosla, Martin Rothenberg and Liran Oren</i> Workshop 4: "Contemporary Care of the Pediatric Voice: Perspectives from Laryngology and Speech Pathology" <i>Alessandro de Alarcon, Lisa Kelchner, Barbara Weinrich and Susan Brehm</i> Workshop 6: "The Call and the Belt; two approaches to producing loud voice for the stage" <i>Eva van Leer and Wendy LeBorgne</i>	Lucas Conference Room, Medical Sciences Building Cotton Striker Room D3.250, Location D Room S1.204, Location S
3:00pm-5:30pm	Afternoon workshops with coffee break 4:15pm-4:30pm Workshop 5: "Laryngeal imaging and quantitative voice assessment" <i>Dimitar Deliyski, Stephanie Zacharias, Robert Orlikoff and Daryush Mehta</i> Workshop 6: "The Call and the Belt; two approaches to producing loud voice for the stage" <i>Eva van Leer and Wendy LeBorgne</i>	Room S1.203, Location S Room S1.204, Location S
5:30pm	Adjourn	