

# A DIFFERENT KIND OF MEETING

bringing together physicians, scientists, speech-language pathologists, singers, professional speakers, and teachers to share their knowledge and expertise in the care of the professional voice user

Jointly provided by The Voice Foundation and the American College of Surgeons in collaboration with Drexel University College of Medicine, Temple University, The American Institute for Voice and Ear Research, and the Academy of Vocal Arts.

# **VOICEFOUNDATION.ORG**

The Westin Hotel | 99 South 17th Street | Philadelphia PA 19103

### CONTINUING MEDICAL EDUCATION CREDIT INFORMATION

### Accreditation

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American College of Surgeons and Voice Foundation. The American College of Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

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100+years

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### **Grant Acknowledgement**

The Voice Foundation wishes to recognize and thank the following companies for their ongoing support through educational grants: **Plural Publishing and Pentax Medical.** 

### ASHA CONTINUING EDUCATION UNTS

DISCLOSURE INFORMATION: Please go to http://voicefoundation.org/2018asha/

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### GRADUATE CREDIT

It may be possible to obtain graduate credit through independent study from your University's Dept. of Speech-Language Pathology. Registration must be completed prior to the first day of the Symposium.



Temple University is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-Language pathology and audiology. See course information for number of ASHA CEUs, instructional level and content area. ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

This course is offered for up to 3.80 ASHA CEUs (Various levels, Professional Area)

### NEEDS ASSESSMENT

The specialty of voice care involves rapidly advancing technology, new medical and scientific knowledge, and constant advancement in patient care. State-of-the-art symposia and courses are essential for interdisciplinary communication and education. For forty-two years The Voice Foundation's Annual Symposium has fulfilled these needs for the international community. **LEARNING OBJECTIVES** 

This activity is designed for The Voice Foundation. Upon completion of this course, participants will be able to.....

- Increase knowledge of recent technological, scientific and clinical advances in the study of the human voice;
- •Increase understanding in the diagnosis and treatment of voice disorders and techniques for vocal fold surgery;
- •Be able to apply various voice examinations/evaluations, therapy and teaching techniques;
- •Foster dialogue and cooperation among the various disciplines concerned with the care of the professional voice;
- $\hbox{\bf Gain interdisciplinary information about clinical and research aspects of neurolaryngology; and,}\\$
- •Understand the relationship between normal and abnormal voice production and the various means of studying the voice. **TARGET AUDIENCE**

Physicians, Nurses, Speech-Language Pathologists, Voice Scientists, Voice and Speech Coaches and Trainers, Singing Teachers and other voice specialists from around the world.

### THE VOICE FOUNDATION BOARD OF DIRECTORS CHAIRMAN Robert Thayer Sataloff, MD, DMA. FACS **PRESIDENT** Stuart Orsher, MD VICE-PRESIDENT Michael S. Benninger, MD SECRETARY Mary Hawkshaw TREASURER GENERAL COUNSEL Brian P. Flaherty, Esq. CHAIRMAN, ADVISORY BOARD Michael M. Johns III, MD **DIRECTORS** Martina Arroyo Harolyn Blackwell Claudia Catania Abdul-latif Hamdan, MD, FACS Mary Hawkshaw Walt Hunter Gwen S. Korovin, MD Justice Sandra Schultz Newman Renata Scotto Michael Sheehan George Shirley

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Bridget Rose, CCC-SLP

Coordinator

### Symposium Agenda \*WEDNESDAY, MAY 30 2-3 \*THURSDAY, May 31 3-12 \*FRIDAY, JUNE 1 12-17 \*SATURDAY, JUNE 2 **17-28** Master Class Teacher Simon Estes 29 \*SUNDAY, JUNE 3 30-37 Van Lawrence Award, Chapters **38 39** 48th Annual Symposium Faculty List 40-65 **TVF Advisory Board** 66 Journal of Voice Ed Board **67 Presentation Coaching** 68-69 **TVF Awards History** 70-71 **72 Donors, Exhibitors Membership 73** 2018 Registration Information **74 Meeting Schedule 75** Symposium Calendar Wed-Fri **76** Symposium Calendar Sat-Sun 77

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The Voice Foundation wishes to thank **Elsevier**, **Inc.**, **Plural Publishing**, and **PENTAX Medical** 

for their ongoing support through educational grants.

CONSULT THE FACULTY LIST FOR A COMPLETE LIST OF PRESENTER AND AUTHOR DEGREES

# WELCOME TO THE 47th ANNUAL SYMPOSIUM: CARE OF THE PROFESSIONAL VOICE

### PROGRAM COMMITTEES

### AWARD COMMITTEES

Sci	ENT	IEIC	PRO	GRAM	

CHARLES LARSON, RONALD C. SCHERER NANCY P. SOLOMON, JOHAN SUNDBERG

### MEDICAL PROGRAM

MICHAEL S. BENNINGER, MICHAEL M. JOHNS, ROBERT T. SATALOFF

### SPEECH-LANGUAGE PATHOLOGY

MARY (MOLLY) ERICKSON, THOMAS MURRY, ROBERT T. SATALOFF

### **VOICE PEDAGOGY**

DAVID MEYER , SCOTT MCCOY ROBERT T. SATALOFF

### PANELS

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### YOUNG LARYNGOLOGISTS

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### VAN L. LAWRENCE FELLOWSHIP AWARD

ROBERT T. SATALOFF, CHAIR
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MATTHIAS ECHTERNACH BRIAN HORNE ALBERT MERATI LINDA SNYDER

MAY 30		WEDNESDAY, MAY 30, 2018
WEDNESDAY 2018	1:00p	Registration Opens (Lobby outside Grand Ballroom)
	2:00p	Introduction and Welcome  Robert T. Sataloff, MD, FACS, Chairman (Grand Ballroom, Salon II)
	2:15p	Anatomy and Physiology of Phonation: An Overview Robert T. Sataloff, MD, FACS
AGENDA	3:00p	Production and Perception of Voice: An Overview Charles Larson, PhD, Johan Sundberg, PhD
	4:00p	Coffee Break (Grand Ballroom, Salon III — Exhibit Hall)
	4:30p	Production and Perception of Voice: An Overview (cont.) Ronald S. Scherer, PhD, Sten Ternström, PhD, David Eddins, PhD, William Riley, MM

	WEDNESDAY, MAY 30, 2018 CONT.	MAY 31		
6:30p	Question and Answer	THURSDAY		
7:00p	Adjourn			
	THURSDAY, MAY 31, 2018	2018		
7:20a	Meeting of the Quintana Voice Research Award Committee (The Board Room)			
7:30a	Registration Opens			
8:05a	Opening Remarks Introduction and Welcome <i>Robert Thayer Sataloff, MD, FACS, Chairman</i> (Grand Ballroom)	AGENDA		
	BASIC SCIENCE SESSION I (8:15AM - 9:30AM)			
SESSION I: SINGING – SOME PRODUCTION ASPECTS Chair: Johan Sundberg, PhD Discussant: Brenda Smith, DMA The Westin Philadelphia Hotel: Grand Ballroom				
8:15a	What Causes Airflow Vibrato? Srihimaja Nandamudi, PhD, Ronald C. Scherer, PhD			

8:30a A Comparison of Videokymography and Electroglottogram for Measuring Contact Quotient Values in Classically Trained Singers Richard J. Morris, PhD, David Okerlund, MM, Mary M. Gorham-Rowan, PhD, Shonda Bernadin, PhD, Elizabeth A. Farr, BS

8:45a Effects of the Lung Volume on the Electroglottographic Waveform Sten Ternström, PhD, Sara D'Amario, MA

9:00a Panel Discussion

Moderator: Johan Sundberg, PhD Discussant: Brenda Smith, DMA Nandamundi, Morris, Ternström

### QUINTANA RESEARCH AWARD LECTURE 9:30AM—10:00AM Biomaterials and Strategies for Permanent Vocal Fold Lamina Propria Repair and Reconstruction

**Dr. Luc Mongeau** is a Mechanical Engineer by training, with B.Eng. and M. Eng. Degrees from the University of Montreal, Canada. He has obtained his Ph.D. in Acoustics from the Pennsylvania State University in 1991. He first entered the field of voice biomechanics when he built a mechanical replica of the human larynx for flow measurements as Postdoctoral Member of Technical Staff at AT&T Bell Laboratories in Murray Hill, New Jersey. After joining Purdue University in 1993, Dr. Mongeau climbed through the ranks

# MAY 31 THURSDAY 2018



while conducting research in Aero- and Thermos-Acoustics, Computational Fluid Dynamics, Noise and Vibration control. His research interests increasingly focused on the biomechanics of voice production. He investigated laryngeal flows, sound production mechanisms, and viscoelastic properties using both experimental and computational methods. Dr. Mongeau joined the Dept. of Mechanical Engineering at McGill University in 2006,

AGENDA

where he conducts research on tissue engineering of the human larynx for voice restoration. He presently holds the Tier I Canada Research Chair in Voice Biomechanics and Mechano-biology. He has published over 100 peer reviewed journal articles on various aspects of voice production and tissue engineering of the human vocal folds. He has supervised many graduate students that have grown to become (... or have always been ...) independent researchers in the field of Voice Biomechanics. He is a member of The Voice Foundation, a Fellow of the Acoustical Society of America, a Senior Member of the AIAA, and a member of the Canadian Society of Biomaterials, and the European Society of Biomechanics.

10:00a Coffee Break (Grand Ballroom, Salon III — Exhibit Hall)

# BASIC SCIENCE SESSIONS II & III (10:30AM - 12:00PM)

SESSION II: ACOUSTICS Chair: Ronald C. Scherer, PhD Discussant: Jean Abitbol, MD

The Westin Philadelphia Hotel: Grand Ballroom

10:30a Limbo Ballet of Source Spectrum Partials

Johan Sundberg, PhD, Svante Grangvist, PhD

10:45a Evaluating Timbre Spectrum and Glottal Open Quotient via

Pitch-Synchronous Segmentation of Voice Signals C. Julian Chen, PhD, Donald Miller, PhD

SESSION III: HIGH SPEED VIDEO – DIAGNOSTICS AND SAFETY The Westin Philadelphia Hotel: Grand Ballroom

Chair: Ronald C. Scherer, PhD Discussant: Jean Abitbol, MD

11:00a Vibratory Onset of Adductor Spasmodic Dysphonia and Muscle

Tension Dysphonia: A High Speed Video Study Wenli Chen, MS, Peak Woo, MD, Thomas Murry, PhD

11:15a Safety Aspects of Endoscopic Laser-based 3D Imaging

Marion Semmler, MSc. Maik Zimmermann, Dinl-Ing.

Marion Semmler, MSc, Maik Zimmermann, Dipl-Ing, Anne Schützenberger, MD, Michael Döllinger, PhD

### BASIC SCIENCE II & III (CONTINUED) **MAY 31** 11:30a Panel Discussion THURSDAY Moderator: Ronald C. Scherer, PhD 2018 Discussant: Jean Abitbol, MD Panelists: Sundberg, C.J. Chen, W. Chen, Semmler 12:00p Lunch Break (on your own) Journal of Voice Editorial Board Meeting Presentation Outreach Committee Meeting (The Director's Room) AGENDA **KEYNOTE SPEECH (1:30PM - 2:30PM)** 1:30p KEYNOTE ADDRESS: BORIS ALEXANDER KLEBER, PHD Introduction: Robert T. Sataloff, MD, FACS TITLE: The Brain That Learns To Sing and Is Changed By It

Boris Kleber completed a Master of Science (2002) in Psychology at the University of Konstanz (Germany), received a PhD in Neuroscience (2009) from the University of Tübingen (Germany), and was awarded a higher

doctorate degree (Habilitation)
in Psychology from the University of Tübingen (2016). His main scientific interest is focused on the singing voice as a model for experience-dependent plasticity in the brain. During his PhD, he worked with EEG Neurofeedback in the context of well-being and performance anxiety, and pioneered fMRI research with opera singers. This work was crucially developed during his post-doctoral research with Prof. Rob-

ert Zatorre at the Montreal Neurological Institute (QC, Canada) and with Prof. Niels Birbaumer in Tübingen, where he also used transcranial magnetic stimulation to probe the role of sensorimotor interactions. Since 2016.

Dr. Kleber is assistant professor at the Center for Music in the Brain, Aarhus University (Denmark), integrating his previous work on vocal motor control and interoception with the concept of predictive coding. Current projects aim at understanding the role of the somatosensory feedback subsystem in vocal production, vocal improvisation and creativity, as well as the role of reward in motor sequence learning.

May 31	BASIC SCIENCE SESSION IV (2:30PM - 4:00PM)
Thursday 2018	METHODOLOGICAL ADVANCES IN HIGH SPEED VIDEO ANALYSES Chair: Charles Larson, PhD Discussant: Michael S. Benninger. MD The Westin Philadelphia Hotel: Grand Ballroom
AGENDA	2:30p Evaluation of Sharpness of Lateral Peaks of the Vocal Fold Vibrations in High-Speed Videokymographic Images Pravin Kumar Subbaraj, PhD, Ketaki Vasant Phadke, MSc, Jitka Vydrová, MD, Adam Novozámský, MEng, Barbara Zitová, PhD, Jan G. Svec, PhD et PhD
	2:45p Analysis and Estimation of the Glottal Area in Connected Speech via Temporal and Spatial Segmentation of High-Speed Videoendoscopy  Maryam Naghibolhosseini, PhD, Dimitar Deliyski, PhD, Stephanie R.C. Zacharias, PhD, Alessandro de Alarcon, MD, Robert F. Orlikoff, PhD
	3:00p Laser-Calibrated System for Laryngeal Transnasal Flexible High-Speed Videoendoscopy Dimitar D. Deliyski, PhD, Daryush D. Mehta, PhD, Matias Zanartu, PhD, Milen Shishkov, PhD, Brett E. Bouma, PhD, Alessandro de Alarcon, MD, Hamzeh Ghasemzadeh, MSc
	3:15p Machine-Learning Approach for Automatic Detection of Calibrating Laser Light in Transnasal Flexible High-Speed Videoendoscopy  Hamzeh Ghasemzadeh, MSc, Maryam Naghibolhosseini, PhD, Daryush D. Mehta, PhD, Dimitar D. Deliyski, PhD
	3:30p - Panel Discussion Moderator: Charles Larson, PhD Discussant: Michael S. Benninger, MD Panelists: Subbaraj, Naghibolhosseini, Deliyski, Ghasemazadeh
	POSTER SESSIONS 4:00p Chair: Ronald C. Scherer, PhD The Westin Philadelphia: Ballroom Prefunction Room
	4:00pm - 4:45pm Odd Numbers (PI, P3, P5)
	5:00pm -5:45pm Even Numbers (P2, P4, P6)
	Refreshments in the Exhibit Hall during this session.

	POSTER SESSION I 4:00PM - 4:45PM	May 31
P1)	Factors Contributing to Vocal Abuse and Voice Disorders of Clergy  Kimberly Nash Alexander, D. Phil	THURSDAY
P3)	Classification of Subjective Parameters of Voice Using Artificial Neural	2018
	Networks	
	Andriéli Hilário Barizão, Murillo Augusto Fermino,	
	Danilo Hernane Spatti, PhD, Glaucya Madazio, PhD, Mara Behlau, PhD	
P5)	The Use of Mindfulness Based Stress Reduction (MBSR) Treatment for	
	Functional Voice Disorders	
	Susan Baker Brehm, PhD, Renee Gottliebson, PhD, Katie Duffy, BS,	AGENDA
	Barbara Weinrich, PhD	AGENDA
P7)	Spectral/Cepstral Analysis of Phonation in Parkinson's Disease	
	Before and After Voice Treatment	
	Michael P Cannito, PhD, Ghada Alharbi, MSc, Eugene H. Buder, PhD,	
	Shaheen Awan, PhD	
P9)	Relationship between Vocal Fry and Vowel Height	
	Lady Catherine Cantor-Cutiva, PhD, Pasquale Bottalico, PhD,	
	Eric Hunter, PhD	

P11 ) Talkativeness, Vocal Loudness, and Voice Symptoms in Acting Undergraduates

Ana Carolina Constantini, PhD, Filipe Modesto, BSc, Nivia Dionisio Catarino de Jesus, BSc

P13) Self-Regulation Behaviors in Chilean Subjects with Behavioral Dysphonia

Soledad Correa, MS, Mara Behlau, PhD

P15 ) A New Treatment Method for Puberphonia: High Backpressure in DoctorVox Therapy

> Ilter Denizoglu, MD, Mustafa Sahin, MD, Seda Bayrak, MSc, Melek Nur Uygun, MSc

P17 ) Quality and Readability of English-Language Internet Information for Voice
Disorders

Abigail Dueppen, MS, Nandhu Radhakrishnan, PhD, Monica Harn, PhD, Vinaya Manchaiah, PhD

P19) Effects of Neuromuscular Electrical Stimulation Associated with Intensive Vocal Therapy in Elderly

> Eliana Maria Gradim Fabron, PhD, Kelly Cristina Alves Silvério, PhD, Giédre Berretin-Felix, PhD, Rinaldo de Jesus Guirro, PhD, Cínthia Procópio da Silva, SLP, Millena Maria Ramalho Matta Vieira, SLP, Pâmela Aparecida Medeiros Moreira, SLP, Alcione Ghedini Brasolotto, PhD

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May 31		Poster Session I (continued)
THURSDAY	P21)	Relationship between Vocal Acoustic Characteristics and Chronological and
2018		Bone Ages in Prepubertal Children
2010		Congeta Bruniere Xavier Fadel, MD, Ana Paula Dassie Leite, PhD,
		Afranio de Souza de Melo, MD, Luiz de Lacerda, PhD
	P23)	Active or passive? – A Closer Look at the "Purring" Sound Production
		Mechanism of Domestic Cats (Felis silvestris catus)
		Christian Herbst, PhD, Tamara Mauder, Mag.med.vet,
		Maxime Garcia, PhD, Vit Hampala, PhD, Ingo Titze, PhD,
AGENDA		W. Tecumseh Fitch, PhD, Gerald Weissengruber, Dr.med.vet
	P25 )	Riedel's Thyroiditis and Cordal Paralysis: A Single Case Study
		Gonzalo Inostroza, SLP
	P27)	A Survey of Voice Rest Practices after Phonomicrosurgery
		Ashwini Joshi, PhD, Michael M. Johns III, MD
	P29)	Perceptions of the Effects of Vocal Fry on Aspirational Careers in
		Prospective Job Markets
		Darby Kunnemann, BSE, Fran Hagstrom, PhD, Eva van Leer, PhD
	P31)	Symptoms and Vocal Fatigue in Brazilian University Professors
		Ana Paula Dassie Leite, PhD, Gabrieli Cristina Santos Cercal,
		Jaqueline Mendes Mendez Novis, Antônio Leonardo De Paula
	P33)	Performance of Different Acoustic Measurements to Discriminate
		Individuals with and without Voice Disorders
		Leonardo Lopes, PhD, Vinícius Jefferson Dias Vieira, MS, Mara Behlau, PhD
	P35)	Mandarin (Simplified) Chinese Version of the Voice Activity and
		Participation Profile: Adaptation and Validation
		Dan Lu, PhD
	P37)	Comprehensive Voice Habilitation Program [CVHP] for Hyperfunctional
		Voice Disorders - A Study from South India
		Shenbagavalli Mahalingam, SLP, Prakash Boominathan, PhD,
		Ravikumar Arunachalam, MD, Lakshmi Venkatesh, PhD
	P39)	Changes in Fundamental Frequency across the Life Span in Brazilian
		Portuguese Speakers
		Viviane Cristina de Castro Marino, PhD, Evelyn Alves Spazzapan, SLP,
		Vanessa Moraes Cardoso, MS, Larissa Cristina Berti, PhD,
		Eliana Maria Gradim Fabron, PhD
	P41)	SOVTE in Low and High Voices: Is There Any Difference?
	•	Diego Henrique C. Martinho, SLP, Ana Carolina Constantini, PhD
	P43)	Mapping of International Classification of Functioning, Disability
	- 1	and Health (ICF) Framework on Vocal Health Questionnaire for Teachers
		Aishwarya Nallamuthu, MASLP, Prakash Boominathan, PhD,
		Ravikumar Arunachalam, MS

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### May 31 POSTER SESSION I (CONTINUED) P45) Voice Quality of People Undergoing Radiotherapy for Laryngeal Cancer THURSDAY Dilhani Nayakarathana, SLP, Samanthi Kalupahana, SLP 2018 P47) Trends in Singing Voice Research: An Innovative Approach Pedro Melo Pestana, BSc., Susana Vaz-Freitas, PhD, Maria Conceição Manso, PhD P49) Comparison of Laryngeal Diadochokinetic Rate (LDDK) for Reproductive Age and Post-Menopausal Women Laura W. Plexico, PhD, Mary Sandage, PhD Cross-cultural Adaptation of the Chilean Version of the Voice-P51) **AGENDA** Related Quality of Life (V-RQOL) Francisco Contreras Ruston, SLP, Marco Guzman, PhD, Nury Gonzalez, SLP, Martín Vivero, SLP P53) Saving a Career: Treatment of Velopharyngeal Insufficiency (VPI) in a **Professional Oboist** Valerie L Trollinger, DME, Bridget Rose, CCC-SLP The Production and Perception of Continuous Vocal Fry in Healthy P55) **Speakers**

### POSTER SESSIONS - CHANGEOVER 15 MINUTES

Anumitha Venkatraman, MS, Preeti M. Sivasankar, PhD

### POSTER SESSION II 5:00PM - 5:45PM

P2) Association between Subglottic Pressure and Pulmonary Function Tests in Subjects with Parkinson's Disease

> Adrián Castillo Allendes, MSc, Javiera Castillo Martínez, SLP, Alvaro Reyes Ponce, PhD,

P4) Supraglottic Characteristics and their Relationships with Glottic Configuration and Vocal Quality of the Elderly

> Alcione Ghedini Brasolotto, PhD, Izadora Santos, Letícia de Lemos Freixo, SLP, Kelly Cristina Alves Silverio, PhD

P6) Behavioral and Neurophysiological Effects of Combined LSVT-LOUD® and Transcranial Magnetic Stimulation in Speakers with Parkinson Disease

> Michael P Cannito, PhD, Katherine Schiller, BS, Bella Budlinski, MS, Mark S. LeDoux, MD, Asim Choudhri, MD, Tamekia Jones, PhD, Shalini Narayana, PhD

P8) Use of Lombard Effect On A Functional Voice Problem

Juliana Codino, MA, Adam D. Rubin, MD, Maria Cristina Jackson-Menaldi. PhD

May 31		Poster Session II(continued)
THURSDAY 2018	P10)	Analysis of Phonation Threshold Pressure, Contact Quotient, and Self- Perceived Voice Quality in Subjects with Behavioral Dysphonia and Normal Voices after Two Semi-Occluded Vocal Tract Exercises
	242)	Soledad Correa, MS, Marco Guzman, PhD, Camilo Quezada, PhD, Felipe Moreti, PhD, Glaucya Madazio, PhD, Mara Behlau, PhD
	P12)	Objective Voice Measures in Patients with Unilateral and Bilateral Superior Laryngeal Nerve Paresis Srihari Daggumati BS, Haig Panossian MD, Brian Mckinnon, MD, Robert T. Sataloff, MD
AGENDA	P14)	Voice Characteristics of Women with Polycystic Ovary Syndrome Evelien D'haeseleer, PhD, Sofie Claeys, MD, Sophia Ghys, SLP, Kristiane Van Lierde, PhD
	P16 )	Voice Analysis of Radio-TV Broadcasters: Gender vs Content  Blaire Dykes, Nandhu Radhakrishnan, PhD
	P18)	Dosage Dependent Effect of the Vocal Fry Technique in Subjects without Vocal Complaints Congeta Bruniere Xavier Fadel, MD, Glaucya Madazio, PhD,
	P22)	Rosiane Yamasaki, PhD, Mara Behlau, PhD  Assessment of Tongue Position and Laryngeal Height in Two Professional  Voice Populations
	P24)	Carly Jo Hosbach-Cannon, PhD, Soren Y. Lowell, PhD, Raymond H. Colton, PhD, Richard T. Kelley, MD, Xue Bao, BS  A Novel Laryngeal Palpatory Scale (LPS) in Patients with Muscle Tension
		<b>Dysphonia</b> Narges Jafari, Abolfazl Salehi, Farzad Izadi, Abbas Ebadi, Iris Meerschman, Evelien D'haeseleer, PhD, Kristiane Van Lierde, PhD
	P26)	Understanding Speakers' Ability to Increase Phonation Time Estimation  Accuracy  Lisa M. Kopf, PhD
	P28)	Effects of Lee Silverman Voice Treatment (LSVT LOUD®) with Spanish- Speaking Population Leslie Ledee-Lozada, CCC-SLP, Angela Halpern, CCC-SLP,
	P30)	Maria Claudia Franca, PhD  Perception of Overall Severity of Voice Deviation in Synthesized Voices:  Predictive Factors
	P32)	Leonardo Lopes, PhD, Jorge Lucero, PhD, Mara Behlau, PhD  Changes after Voice Therapy in Acoustic Voice Analysis of Chinese  Patients with Voice Disorders  Dan Lu, PhD
		54 25, 1 110

### POSTER SESSION II (CONTINUED)

P34) Relative Effectiveness of a Vocal Hygiene Program among Primary School Teachers with Self – Reported Voice Problems in Matara Education Zone

> H. K. C. Madushani, BSc, Shermi Nanayakkara, BSc, Bandini Jayasena, BSc

P36) Intensive Short-term Voice Therapy (IVT) for an Individual with Chronic Dysphonia – A Single Case Study

Shenbagavalli Mahalingam, SLP, Prakash Boominathan, PhD

P38) Impact of Non-modal Phonation on Estimates of Subglottal Pressure from Neck-Surface Acceleration in Healthy Speakers

Katherine L. Marks, MS, Daryush D. Mehta, PhD

P40) Factors to Predict the Impact of Voice Therapy on Vocal Fold Atrophy in Elderly

> Shogo Mato, SLP, Makoto Miyamoto, MD, Itaru Watanabe, MD, Yoshiyuki Hayashi, SLP, Tsubasa Ishii, SLP, Hideki Nakagawa, MD, Koichiro Saito, MD

P42) Vocal Training Program to Facilitate Vocal Health in Teachers – A Single Case Report

> Aishwarya Nallamuthu, MASLP, Prakash Boominathan, PhD, Ravikumar Arunachalam, MS

P44) Examining Chemosensation in Laryngeal Health and Disorders

Carolyn K. Novaleski, PhD, Richard L. Doty, PhD, Marco Tizzano, PhD, Alissa A. Nolden, PhD, Pamela H. Dalton, PhD, Paul M. Wise, PhD, Karen Wheeler Hegland, PhD

P46) Comparison of Cepstral Peak Prominence for Reproductive Age and Post Menopausal Women

Laura W. Plexico, PhD, Mary Sandage, PhD

P48) Cross-Cultural Adaptation, Validation, and Cutoff Values of the Chilean Version of the Voice Symptom Scale: VoiSS

> Francisco Contreras Ruston, SLP, Felipe Moreti, PhD, Celina Malebran, SLP, Martín Vivero, SLP, Mara Behlau, PhD

P50) Cross-cultural Adaptation of the Argentinian Version of the Vocal Tract
Discomfort Scale (VTDS)4

María Alejandra Santi, SLP, Andrea Karina Romano, SLP, María Eugenia Dajer, PhD, Silvana Montenegro, PhD

P52) An Investigation of Acoustic Parameters in the Speech of Mimicry
Performers

Santhosh Simon MSc, Stuart Cunningham, PhD, Towino Paramby CScD

MAY 31 THURSDAY 2018

**AGENDA** 

May 31		POSTER SESSION II (CONTINUED)		
THURSDAY	P54)	Vocal Self-Assessment of Theater Students after Using the Lax Vox Latex		
2018		Tube		
2010		Geovana Ramazzini Vechi, SLP, Ana Carolina Constantini, PhD, Lavoisier L. Neto, MS		
	P56)	Teaching Reliable Perception of Voice Qualities: A Review of the		
A CENTE A		Literature		
AGENDA		Patrick R. Walden, PhD, Robert M. Velardi, BA		
	5:45p	Dinner (on your own)		
		SPECIAL SESSION (7:15PM - 8:15PM)		
		ial: Measuring Sound Pressure Level		
JUNE 1		/estin Philadelphia Hotel: TBD rator: Johan Sundberg, PhD		
FRIDAY	7:15p	Guidelines on Measurement of Sound Pressure Level (SPL) of Voice		
2018	7.13p	Jan G. Svec, PhD et PhD, Svante Granqvist, PhD		
		A.15		
	8:15p	Adjourn		
		FRIDAY, JUNE 1, 2018		
	6:45a	Advisory Board Meeting: Chair: Michael M. Johns III, MD		
		(The Director's Room)		
	7:30a	Registration Opens		
		(Lobby outside Grand Ballroom)		
		SPECIAL SESSION (8:00AM - 11:50AM)		
		EXERCISE AND THE VOICE		
	Moderator: Nancy Pearl Solomon, PhD			
	The W	estin Philadelphia Hotel: Grand Ballroom		
	8:00a	Historical Context and Introductions		
		Nancy Pearl Solomon, PhD		
	8:10a	Science and the Sports Vocalist		
		Mary Sandage, PhD		
	8:45a	Neuromuscular Physiology of Vocal Exercise		
		Aaron M. Johnson, PhD		

	SPECIAL SESSION (CONTINUED)	JUNE 1
9:20a	Coffee Break – Exhibit Hall	FRIDAY
9:50a	Be a Better Instrument: Sport-Specific Training for the Vocal Athlete Claudia Friedlander, DMA	2018
10:25a	Synthesizing Vocal Technique with Whole Body Awareness Through Yoga <i>Mark Moliterno, MM</i>	AGENDA
11:00a	Panel Discussion	
11:50a	Presentation: The 27 <sup>th</sup> Annual Van L. Lawrence Fellowship Award Chair: Robert Thayer Sataloff, MD, FACS The Westin Philadelphia Hotel: Grand Ballroom	
12:00p	Lunch Break (on your own)  Authors Remove Posters from Poster Boards (Prefunction)	
12:15p 12:15p	Meeting of the Voice Foundation Board of Directors (The Board Room) The Young Laryngologist Study Group Session (The Director's Room)	

FRIDAY, JUNE 1, 2018 6:00PM WESTIN HOTEL

# **VOICES OF SUMMER GALA**

Cocktails, Dinner, Concert, Awards, Dancing

HONORING

**SIMON ESTES** 

KAREN HEPP AND LAUREN JOHNSON

**WALTER WILLIAMS** 

**CICELY TYSON** 

FEATURING:

Dominick Chenes, tenor

Tickets: at the Registration Desk \* (215)575-6942 \* voice foundation.org

### JUNE 1 WORKSHOPS REMINDER **FRIDAY** The Workshops are at the Academy of Vocal Arts, 1920 Spruce St., a short walk from the 2018 Westin. MAPS AT THE REGISTRATION DESK & IN REGISTRATION FOLDERS Directions to Workshops - Friday, June 1st Start: The Westin 99 S. 17th Street (Liberty Place, between Market and Chestnut Streets) Exit hotel and turn LEFT onto South 17<sup>th</sup> Street (toward Chestnut Street). 1. Continue down 17<sup>th</sup> Street until you reach Spruce Street (about four blocks). 2. 3. Turn RIGHT onto Spruce Street. Continue on Spruce Street until you reach 1920 Spruce Street (about two blocks). The Academy of Vocal Arts is on Spruce between 19<sup>th</sup> and 20<sup>th</sup> Streets. AGENDA End: 1920 Spruce Street The Academy of Vocal Arts 1920 Spruce Street Note: The American College of Surgeons does not provide CME credit for this portion of the program. ASHA offers CEU credit for this portion of the program. DIRECTIONS TO ACADEMY OF VOCAL ARTS (AVA) ARE AVAILABLE IN YOUR FOLDERS AND AT THE REGISTRATION DESK WORKSHOPS SESSION I (1:30PM - 2:25PM)

### **Singing Voice**

 What the Fach? Voice Dysphoria in the Transgender and Genderqueer Singer

Loraine Sims, DMA

- Beyond Park and Bark
  - Danielle Bridges, BM, Sheri Cook-Cunningham, PhD
- ◆ French Pronunciation in Song Jean-Yves Bosse-Vidal, MA

### Musical Theater/Pop/Rock/CCM

 Applying Prosody of Language Strategies to Enhance the Dramatic Delivery of a Song and Facilitate the Discovery of Appropriate Vocalisms in Various Musical Theatre and Contemporary Styles Ana Flavia Zuim, PhD

### **Rehabilitation of the Injured Singing Voice**

 Use of a Vortex Whistle for Measures of Respiratory Capacity and Control

Shaheen N. Awan, PhD, Jordan A. Awan, PhD Candidate

Troubleshooting Vocal Function Exercises:
 What to Do When the "/ol/" Won't Buzz

Carly S. Cantor, CCC-SLP, Kimberly Duncan, CCC-SLP

Workshops Session I (continued)	JUNE 1
Acting Voice	FRIDAY
♦ IPA Hand-Jive: Using Gesture for Shaping and Voicing IPA Symbols Lester Thomas Shane	2018
Body Awareness and Voice	
<ul> <li>Body Awareness Training for Singers and Voice Teachers         Ting-Yu Chen, MFA     </li> </ul>	ACENDA
Workshops Session II (2:30pm - 3:25pm)	AGENDA
Singing Voice	
<ul> <li>The Voice Teacher as Fitness Trainer: Adapting Principles of Sports Science to Optimize Laryngeal and Articulatory Efficiency Claudia Friedlander, DMA</li> </ul>	
<ul> <li>Watch Your Tongue! Ultrasound &amp; Physioacoustic in the 21st Century Voice Studio         Angelika Nair, PhD     </li> </ul>	

### Musical Theater/Pop/Rock/CCM

Marquita Lister, MM

MythBusters for Singers Sally Morgan, BA

### **Rehabilitation of the Injured Speaking Voice**

- ♦ MPT of /s/, /z/, and /z/ a Clinical Goldmine Marina Gilman, CCC-SLP
- ◆ The Pediatric Team Voice Evaluation: Tips and Tricks Paula Barson, MA, Angie Connor, CCC-SLP, Kimberly Duffy, CCC-SLP Abigail Rosenberg, CCC-SLP

\_\_\_\_\_\_

Connecting to the Negro Spiritual: Emotionally, Musically and Vocally

### **Rehabilitation of the Injured Singing Voice**

 Adapted Yoga Techniques for Voice Therapy and Singing Voice Rehabilitation
 Kenneth Tom, PhD

### **Acting Voice - Presentational Voice**

 The Power of the Psoas Muscles for the Speaker Donna Snow, MFA

# JUNE 1 FRIDAY 2018

### WORKSHOPS SESSION III (3:30PM - 4:25PM)

### **Singing Voice**

- The Mindful Performer Kristine Hurst-Wajszczuk, DMA
- ♦ From the Studio to the Conference Call Kate Peters, MM
- Techniques for Addressing Tongue Tension in Singing: A Presentation of Strategies Followed By Application with Master Class Singers Carla LeFevre, DMA

AGENDA

### Musical Theater/Pop/Rock/CCM

Training Singers to Belt – a Functional, Resonance-Based Approach: A
Practical Guide to Teaching Style-driven "Shades" of Belt Singing using
Functional Voice Technique
Irene Bartlett, DMA

### Rehabilitation of the Injured Speaking Voice

 LaxVox and DoctorVox Voice Therapy Techniques *Ilter Denizoglu, MD*

### Rehabilitation of the Injured Singing Voice

 Spending the Interest, Not the Principle: Vocal Pacing During Voice Rehabilitation and Beyond Leda Scearce, MS

### **Acting Voice**

♦ Vocal Production and Proprioceptive Movement *Tamiko Washington, MFA* 

### **Body Awareness and Voice**

♦ Self-Care for the Vocal Health Professional: Strategies and Practice in How to Care for Your Voice and Body While in the Midst of Helping Others

Diane Gaary, MFA

WORKSHOPS SESSION IV (4:30PM - 5:25PM)	JUNE 1
Singing Voice	Friday
<ul> <li>◆ "Sing for Life": Strategies for Singing after 50         Brenda Smith, DMA</li> <li>◆ Consider the Source: Exercises and Techniques to Develop Efficient</li> </ul>	2018
Glottal Closure  Amelia Rollings, PhD	
<ul> <li>Meeting the Mood: Transforming the Vocal Warm-Up Megan Durham, MM</li> </ul>	A CENTO A
<ul> <li>Understanding and Using Rehearsal and Performance Space Acoustics as a Solo or Choir Singer David M. Howard, PhD</li> </ul>	AGENDA
Speech Therapy	
<ul> <li>How to Help Your Patient Who Can't Breathe or Stop Coughing Sally Gallena, PhD</li> </ul>	

### **Rehabilitation of the Injured Singing Voice**

 Head/Neck Massage and Relaxation Techniques for Voice Therapy and Overall Health/Wellness
 Deanna McBroom, MM, Lucinda Halstead, MD

### **Acting Voice**

 Up and Out –Finding the Spine in Acting Janet Madelle Feindel, MFA

### **Voice Science/Technology**

 Practical Application of the Electroglottograph (EGG) in Singing Instruction
 Donald Gray Miller, PhD

	SATURDAY, JUNE 2, 2018	JUNE 2
7:00a- 7:50a	New Investigator Research Forum Chair: Molly Erickson (The Board Room) (CEUs available)	SATURDAY 2018
7:30a	Registration Opens (Lobby outside Grand Ballroom)	AGENDA

JUNE 2	MEDICAL SESSION IA (8:00AM—9:50AM)		
SATURDAY	Chair: Fabian Unteregger, MD The Westin Philadelphia Hotel: Grand Ballroom, Salon I		
2018	8:00a	Comparison of Two Computational Approaches for Dynamic 3D Vocal Fold Parameters Anne Schützenberger, MD, Marion Semmler, MSc, Michael Döllinger, PhD	
AGENDA	8:10a	Tension and Contraction of the Thyroarytenoid Muscle: A 3D Analysis during Singing Fabian Unteregger, MD, Priska Wagner, MD, Silke Potthast, MD, Salome Zwicky, MD, Flurin Honegger, PhD, Claudio Storck, MD	
	8:20a	Acoustic and Perceptual Correlates of Reduced Vibratory Capability of the Vocal Folds Austin Collum, SLP, Juliana Codino, SLP, Adam Rubin, MD	
	8:30a	Relating Cepstral Peak Prominence to HSV Glottal Waveform Parameters in Patients with Hoarse or Breathy Voice: A Pilot Study Peter S. Popolo, PhD, Peak Woo, MD	
	8:40a	The Relationship between Voice Handicap Index and Laryngeal EMG Findings in Patients with Vocal Fold Paresis and Paralysis Srihari Daggumati BS, Haig Panossian MD, Brian Mckinnon, MD, Robert T. Sataloff, MD	
	8:50a	Discussion	
	9:00a	Prediction of Vocal Fatigue from Acoustical Voice Parameters in Virtual Acoustics Scenarios  Pasquale Bottalico, PhD, Lady Catherine Cantor-Cutiva, PhD, Eric J. Hunter, PhD	
	9:10a	Detection of Vocal Fatigue in Voice Acting Using Glottal Notch Acceleration Nicholas Ogrodnik, B-Eng, Zhengdong Lei, M-Eng, Nicole Yee-Key Li-Jessen, PhD, Luc Mongeau, PhD	
	9:20a	Validation of a Set of Synthetic Stimuli to Study Perception of Dysphonic Voices in Continuous Speech Ingrid Verduyckt, PhD, Sophie Daigle, MPO, Maude Grégoire, MPO, Dick Botteldooren, PhD, Annelies Bockstael, PhD	
	9:30a	Detection of Diplophonia in Audio Recordings of German Standard Text Readings with Automatic Temporal Segmentation Philipp Aichinger, PhD, Jean Schoentgen, PhD	
	9:40	Discussion	
D 10		C (d D C : 11/1 2010	

	MEDICAL SESSION IB (8:00AM - 9:50AM) CONCURRENT WITH SESSION IA	JUNE 2 SATURDAY
	phanie Misono, MD in Philadelphia Hotel: Grand Ballroom, Salon II	2018
8:00a	The Association of Vocal Load with Vocal Pathology and Differences Across Singing Genres  Ana Flavia Zuim, PhD, Julia Gerhard, DMA, Adam Lloyd, MM, David Rosow, MD, Sheryl L. Rifas-Shiman, MPH	
8:10a	Can Diabetes Mellitus Lead to Voice Changes? A Systematic Review of Literature Dhanshree R Gunjawate, PhD, Rohit Ravi, PhD, Scholar	AGENDA
8:20a	Can the Female Voice Reveal Reproductive Cues to Males? Filipa M.B. Lã, PhD, Nuria Polo, PhD, Svante Granqvist, PhD	
8:30a	Dysphonia in Performers: More Prevalent Lesions and Vocal Emergencies Andrea Maria Campagnolo, MD, Jaqueline Priston, SLP, Valéria Leal, SLP, Aída R Assunção, MD	
8:40a	Dysphonia, Perceived Control, and Psychosocial Distress: A Qualitative Study Stephanie Misono, MD, Caroline Haut, MA, Liza Meredith, Ph Patricia A. Frazier PhD, Ali Stockness, MPH, Deirdre D. Michael, PhD, Lisa Butcher, CCC-SLP, Eileen M. Harwood, PhD	D,
8:50a	Discussion	
9:00a	The Utility of Pulmonary Function Testing in Patients Presenting with Dysphonia  Lisa Catanoso, BS, Kirstan Meenan, MD,  Stephen Raad Stephan, MD, Julien Aoyama, BA, Ridley Chauvin, DMA, Robert T. Sataloff, MD	
9:10a	Impact of the Human Papillomavirus 9-Valent Vaccine on the Disease Burden of Patients with a Partial Response to the Quadrivalent Human Papillomavirus Vaccine Lucinda Halstead, MD	
9:20a	The Crico-Thyroid Joint: What a Physician Should Know About Th Joint Jasmin Koch, MD, Fabian Unteregger, MD, Silke Potthast, ML Salome Zwicky, MD, Flurin Honegger, PhD, Claudio Storck, M	),

JUNE 2	M	TEDICAL SESSION IB (8:00AM - 9:50AM) CONT.	
SATURDAY 2018	9:30a	Detection of Arytenoid Dislocation Using Pixel-Valued Cuneiform Movement Ashley P. O'Connell Ferster, MD, Michael C. Ferster II, MS, Haley Glatthorn, BS, Bartholomew J. Bacak, PhD, Robert T. Sataloff, MD	
	9:40	Discussion	
AGENDA	9:50a	Coffee Break (Grand Ballroom, Salon III — Exhibit Hall)	
		PANEL(10:10AM - 11:00AM)	
	BEYOND NODULES: CHALLENGES IN PEDIATRIC VOICE The Westin Philadelphia Hotel: Grand Ballroom Moderator: Julina Ongkasuwan, MD		
	Panelists: Katherine Verdolini Abbott, PhD, Maia Braden, CCC-SLP Anne Hseu, MD, Estella Ma, PhD		
		Award Presentations  rt Thayer Sataloff, MD, FACS	

10<sup>th</sup> Annual Sataloff Young Investigators Award

18<sup>th</sup> Annual David W. Brewer Award for Best Poster

The Westin Philadelphia Hotel: Grand Ballroom

12<sup>th</sup> Annual *Journal of Voice* Best Paper Awards

7<sup>th</sup> Annual Hamdan International Presentation Award

4<sup>th</sup> Annual Best Student Presentation Award

### G. PAUL MOORE LECTURE (11:10AM - 12:00PM)

11:10a G. PAUL MOORE LECTURE: NICOLAS MARAGOS, MD

### **DOING NO HARM**

**Dr. Nicolas Maragos** was born and raised in Wisconsin, did his undergraduate (Chemistry) and medical school studies at the University of Wisconsin in Madison, WI, and completed residency training at the Mayo Gradute School of Medicine in Rochester, MN. He joined the Mayo Clinic Otorhinolaryngology staff upon graduation in 1977 and is an Emeritus Consultant of Otolaryngology – Head and Neck Surgery at Mayo since his retirement in 2010. Dr. Maragos' career



Page 20 Care of the Professional Voice 2018

began with head and neck cancer and reconstructive surgery. However, his medical life changed in 1985 when he was fortunate to hear a lecture by a future mentor, Dr. Nobuhiko Isshiki, speaking about his ideas, research, and surgical results with laryngeal framework surgery (LFS). Since then Dr. Maragos has directed or co-directed a dozen LFS cadaver dissection courses both at Mayo and with his colleagues in the Netherlands, and he continues to lecture nationally and internationally. Today's lecture seeks to analyze the increasing hazards of practicing medicine as viewed from both practioner and patient perspectives.

JUNE 2 SATURDAY 2018

**AGENDA** 

12:00p Lunch Break (on your own)

Meeting of the Voice Laboratory Representatives (TBD)

Chair: Sten Ternström

Meeting of The Voice Foundation Local Chapters (The Board Room)



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JUNE 2 SATURDAY		SPEECH-LANGUAGE PATHOLOGY SESSION IA (1:00PM - 3:00PM)
2018		udio Milstein, PhD in Philadelphia Hotel: Grand Ballroom, Salon I
	1:00p	Vocal Care Knowledge among Speech Language Pathologists Dhanshree R Gunjawate, PhD, Vasudha Sharma, SLP, Usha Devadas, PhD
AGENDA	1:10p	Vocal Health: Awareness and Perceptions in Undergraduate Vocal Music and Theatre Majors Heather Smith, BA, Brenda Louw, D. Phil, Sun-Joo Oh, DMA, Chaya Nanjundeswaran, PhD
	1:20p	The Effect of Diagnostic Information on Ratings of Voice Severity Cara Sauder, CCC-SLP, Mara Kapsner-Smith, MS, Tanya Eadie, PhD
	1:30p	Student Attitudes towards Individuals with Voice Disorders Heather Smith, BA, Kristin Campolongo, BS, Brianne Garretson, BS, Victoria Marley, BS, Allison Waters, BS, Chaya Nanjundeswaran, PhD
	1:40p	Vocal Quality in Musical Theater Actors Evelien D'haeseleer, PhD, Quintyn Fien, MS, Iris Meerschman, MS, Kristiane Van Lierde, PhD
	1:50	Discussion
	2:00p	The Impact of Using an Online Auditory-Perceptual Practice Tool (CAPTain) on SLP Student Learning Catherine J. Madill, PhD, Sarah Masso, PhD, Elizabeth Murray, PhD, Alison Purcell, PhD, Patricia McCabe, PhD
	2:10p	Exercise-induced Paradoxical Vocal Fold Motion Disorder: Clinical Features and Mechanisms  Adrianna Shembel, PhD, Katherine Verdolini Abbott, PhD, Christopher Hartnick, MD, Glenn Bunting, MS, Catherine Ballif, CCC-SLP, Susan Shaiman, PhD CCC-SLP, Vanessa de Guzman, MS
	2:20p	Does Resting Respiratory Resistance Differ between Teenage Girls With and Without Paradoxical Vocal Fold Motion Disorder? Andrea Pham, SLP, Sally Gallena, PhD, Yasmeen Faroqi-Shah, PhD, Jafar Vossoughi, PhD, Arthur T. Johnson, PhD, Nancy P. Solomon, PhD

	SPEECH-LANGUAGE PATHOLOGY SESSION IA CONTINUED	JUNE 2 SATURDAY
2:30p	Variations in Occurrence of Vocal Fry under Different Virtual Simulated Acoustic Conditions Lady Catherine Cantor-Cutiva, PhD, Pasquale Bottalico, PhD, Eric Hunter, PhD	2018
2:40p	Discussion	AGENDA
3:00p	Coffee Break (Grand Ballroom, Salon III — Exhibit Hall)	HOLINDI

The Voice—Fall Newsletter 2018

# IS IT RESONANCE OR VOICE QUALITY?

Editor, Kim Steinhauer, PhD, Articles by Ronald Scherer, PhD, Michelle Horman, CCC-SLP, SVS Daniel Ihasz, MM, Elizabeth Benson, DMA



JUNE 2	(1	SPEECH-LANGUAGE PATHOLOGY SESSION IB :00PM - 3:00PM) CONCURRENT WITH SESSION IA
SATURDAY 2018	Chair: Ash	wini Joshi, PhD n Philadelphia Hotel: Grand Ballroom, Salon II
	1:00p	The Relationship between Listener Voice Quality and Pitch Discrimination Ability When Listening to Different Auditory Signals in a Self-Identified, Non-Disordered Population Emily Wing-Tung Yun, SLP, Paul Carding, PhD, Robert Heard, PhD, Catherine J. Madill, PhD
AGENDA	1:10p	The Relationship between Voice Quality and Pitch Discrimination Ability in a Population with Features of Mild Hyperfunction Kin Heng Tam, BSc -SLP, Paul Carding, PhD, Robert Heard, PhD, Catherine J. Madill, PhD
	1:20p	Acoustic Voice Quality Index- AVQI – for Brazilian Portuguese Speakers: Analysis of Different Speech Material Marina Englert, SLP, Lívia Lima, PhD, Ana Carolina Constantini, PhD, Ben Barsties v. Latoszek, PhD, Youri Maryn, PhD, Mara Behlau, PhD
	1:30p	Phonation Quotient as a Low Cost Alternative for Estimates of Transglottal Airflow Ashwini Joshi, PhD, Christopher Watts, PhD
	1:40p	Infrared Thermography as a Tool to Infer Vocal Load: A Preliminary Observation S. Lokheshwar, ASNT IR Level II, R. Rajasudhakar, PhD, K. Ravindran, ASNT IR Level III
	1:50	Discussion
	2:00p	Ambulatory Voice Measures During Singing and Speech in Patients With Phonotraumatic Vocal Fold Lesions Compared to Matched Controls  Jarrad Van Stan, PhD, Silvia Capobianco, Robert K. Ruggles, BS, Andrew J. Ortiz, MS, Laura E. Toles, MS, Katherine L. Marks, MS, Robert E Hillman, PhD, Daryush D. Mehta, PhD
	2:10p	Do Different Semi-occluded Voice Exercises Affect Differently Vocal Fold Adduction in Subjects Diagnosed with Functional Dysphonia?  Carlos Calvache, MSc, Marco Guzman, PhD, Luis Romero, SLP, Daniel Muñoz, MD, Christian Olavarria, MD, Sofía Madrid

SPE	ECH-LANGUAGE PATHOLOGY SESSION IB, CONTINUED	JUNE 2
2:20p	Effect of Three Semi-occluded Vocal Tract Therapy Programs on the Vocal Quality of Patients with Dysphonia: Lax Vox, Straw Phonation and Lip Trill Iris Meerschman, MS, Kristiane Van Lierde, PhD, Charlotte Coppieters, MS, Julie Ketels, MS, Sofie Claeys, MD Evelien D'haeseleer, PhD	SATURDAY 2018
2:30p	Immediate Effects of the Semi-Occluded Ventilation Mask on Subjects Diagnosed with Functional Dysphonia and Subjects with Normal Voices Kharina Frisancho -Toro, MS, Lukas Salfate Velásquez, MS, Karla Lizana Muñoz, MS, Marco Guzmán, PhD, Camilo Quezada, PhD	AGENDA
2:40p	Effects of a Variably Occluded Face Mask on the Acoustics and Aerodynamics of Connected Speech in Patients with and without Voice Disorders Shaheen N. Awan, PhD, Jackie Gartner-Schmidt, PhD, Lauren Timmons, BM, Amanda I. Gillespie, PhD	
2:50p	Discussion	

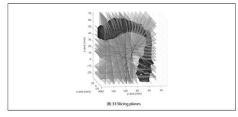
2:50p Discussion

3:00p Coffee Break

(Grand Ballroom, Salon III — Exhibit Hall)

# **V**OICE

JOURNAL OF



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JUNE 2		SPEECH-LANGUAGE PATHOLOGY SESSION 1A (3:30PM - 5:10PM)
SATURDAY 2018		ke Brockman-Bauser, PhD n Philadelphia Hotel: Grand Ballroom, Salon II
	3:30p	The Effects of Stress Type, Vowel Identity, Baseline f0, and Loudness on the Relative Fundamental Frequency of Individuals with Healthy Voices  Yeonggwang Park, BA, Cara E. Stepp, PhD
AGENDA	3:40p	A Comparative Study of the VHI-10 and the V-RQOL for Quality of Life among Chinese Teachers with and Without Voice Disorders  Dan Lu, PhD
	3:50p	Correlations between Smoothed Cepstral Peak Prominence (CPPS), and Voice Activity and Participation Profile (VAPP) in Finnish Primary and Kindergarten Teachers  Caitriona Munier, MSc, Meike Brockmann-Bauser, PhD, Anne Maria Laukannen, PhD, Irma Illomaki, MS, Elina Kankare, MS, Ahmed Geneid, MD
	4:00p	Association of Shyness with Vocal Handicap in Professional Voice Users Gabriela Fernandes, SLP, Thays Vaiano, SLP, Glaucya Madazio, PhD, Mara Behlau, PhD
	4:10p	Discussion
	4:20p	Longitudinal Case Study of Transgender Voice Changes under Testosterone Hormone Therapy Gabriel J. Cler, BS, Victoria S. McKenna, MS, Cara E. Stepp, PhD
	4:30p	Outcomes and Special Considerations for Transgender Voice and Communication Management in the Military Laura L. Cord, MS, Susan G. Schwabacher, CCC-SLP, Nancy Pearl Solomon, PhD
	4:40p	Vocal Quality and Articulation in Female Students Training to Be Speech Language Pathologists Evelien D'haeseleer, PhD, Kristiane von Lierde, PhD, Sophia De Ley, MD
	4:50p	Do Your Ears Hear What Your Eyes See?  Barbara Weinrich, PhD, Wendy LeBorgne, PhD Christopher Eanes, DMA, Stephanie RC Zacharias, PhD, Janet Beckmeyer, CCC-SLP, Alessandro de Alarcon, MD

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	ECH-LANGUAGE PATHOLOGY SESSION IA, CONTINUED
5:00p	Discussion
5:10p	Dinner Break (on your own)
14	SPEECH-LANGUAGE PATHOLOGY SESSION IB
(;	3:30PM - 5:10PM) CONCURRENT WITH SESSION IA
	istiane van Lierde, PhD tin Philadelphia Hotel: Grand Ballroom, Salon II
3:30p	The Impact of Double Source of Vibration Semioccluded Voice Exercises on Objective and Subjective Outcomes in Subjects with Voice Complaints Marco Guzman, PhD, Gabriela Acuña, Fernanda Pacheco, Francisca Peralta, BA, Constanza Romero, BA, Cecilia Vergara, BA, Camilo Quezada, PhD
3:40p	maskVOX: A New Device for Voice Therapy and Vocal Training Ilter Denizoglu, MD
3:50p	Kinesiology Tape as an Immediate Feedback Resource for Management of the Vertical Larynx Position Pedro Amarante Andrade, PhD, Marianne Bos-Clark, SLP, Sarah Catlow, Janaina Pimenta, MS
4:00p	Effect of Whole Body Vibration on Phonatory Function: A Possible Therapeutic Technique Edwin Yiu, PhD, Candy Chan, BSc, Charles Cheng
4:10p	Discussion
4:20p	The Fake Phone Call: an iOS-based Voice Recalibration Tool. Feasibility, Usability, Utility and Preliminary Efficacy Eva van Leer, PhD
4:30p	Massed versus Spaced Practice in Vocology: Effect of a Short-term Intensive Voice Therapy versus a Long-term Traditional Voice Therapy Iris Meerschman, MS, Evelien D'haeseleer, PhD, Sofie Claeys, MD, Kim Bettens, PhD, Laura Bruneel, MS, Kristiane van Lierde, PhD
4:40p	Can We Create a Functional Voice-lift? What is the Effect of Vocal Warm-up Exercises on the Vocal Quality of Elderly Women? Kristiane von Lierde, PhD, Iris Meerschman, Fanny Verstappen, Evelien D'haeseleer, PhD
4:50p	Discussion
5:00p	Dinner Break (on your own)

JUNE 2 SATURDAY 2018

AGENDA

## JUNE 2 SATURDAY 2018

**AGENDA** 

### SPECIAL SESSIONS (6:00PM - 7:40PM)

6:00p—6:50p Special Session

The Westin Philadelphia Hotel: Grand Ballroom, Salon II

On-Site Delivery of Voice Care Services for Professional Voice Users: Cases and Outcomes

### Aliaa Khidr, MD, Moderator

Need for ON-SITE Work Place Eval for Vocal Ergonomics *Eeva Sala, MD (Finland)* 

In school, Voice Care & Development for Speech Pathology Students

Aliaa Khidr (USA)

On-Site Voice Care & Development for Teachers Fabiana Zambon, PhD (Brazil)

On-Site Voice Care & Development: Business Men & Women Mara Behlau, PhD (Brazil)

On-Site Voice Care & Development for Television Reporters

Vanessa Pedrosa, PhD (Brazil)

In School, Voice Care & Development for Radio Reporters Bernadette Timmermans (Belgium)

On-Site Voice Care & Development for Fitness Instructors
Anna Rumbach, PhD (Australia)

On-Site Voice Care & Development for Telemarketers

Ana Elisa Ferreira (Brazil)

### 6:50p-7:40p Special Session

The Westin Philadelphia Hotel: Grand Ballroom, Salon II

Perfect Harmony: The Future of Cross-Over Singing Voice Education in University Music Programs

### Moderator: David Meyer, DM

Irene Bartlett, DMA, Marisa Lee Naismith, MM, Kate Schirmer, MM

This panel discussion will highlight and discuss the synthesis of Contemporary Commercial Music (CCM) styles (legit and belt Musical theatre, Jazz, Pop/Rock) in three distinct programs within the same University.

# 7:45 - 9:30 MASTER CLASS WITH 2018 VERA AWARDEE SIMON ESTES

The Westin Philadelphia Hotel: Grand Ballroom, Salon I
Reception Follows

Following: Reception and SING ALONG WITH GRANT UHLE



### **SIMON ESTES**

Internationally renowned opera star Simon Estes enjoys the ecstatic praise of music lovers around the globe. Since winning the <u>Bell & Ross Vintage Replica</u> Bronze Medal in Moscow's Tchaikovsky competition in 1966, he has performed with **84 major international opera companies** including the Metropolitan Opera, La Scala Milan, Lyric Opera of Chicago, the Paris Opera, Royal Opera House Covent Garden, and the State Operas of Hamburg, Munich and Vienna as well as the Zurich Opera House. He has appeared regularly with **115 orchestras**.

A native of Centerville, Iowa, Simon Estes first sang at the age of eight in the city's Second Baptist Church. While working his way through the University of Iowa as a premed and psychology student, he became the first black member of the University's Old Gold Singers. Simon Estes was granted a full scholarship to attend Julliard School of Music. On April 19, 1965, he made his operatic debut with the Deutsche Opera as Ramfis in Aida. Of the **over one hundred roles in his repertoire**, he is most often

associated with King Phillip in Don Carlo, Wotan in Wagner's Ring cycle, Amfortas in Parsifal, King Mark in Tristan and Isolde, the four bass-baritone roles in The Tales of Hoffmann, Escamillo in Carmen, Porgy in Porgy and Bess. In the title role in Wagner's *The Flying Dutchman* he appeared triumphantly for six successive years at the Bayreuth Festival. His debut there marked the first appearance of any black male artist at this shrine to Richard Wagner.

He is Professor at Iowa State University in Ames, Iowa and at Wartburg College in Waverly, Iowa. In the past Simon

was a faculty member as Professor at Boston University for five years. In his master classes, across the country and the world, Dr. Estes teaches not only music, but artistic and personal values as well.

Mr. Estes' autobiography is entitled Simon Estes In His Own Voice.

JUNE 3		SUNDAY, JUNE 3, 2018
SUNDAY	7:30a	Registration Opens (Lobby outside Grand Ballroom)
2018		MEDICAL SESSION IIA (8:00AM - 10:00AM)
		y Rutt, DO n Philadelphia Hotel: Grand Ballroom, Salon I
AGENDA	8:00a	Effect of Vocal Intensity on Cepstral Peak Prominence and Spectral Slope in Women with and without Voice Disorders Meike Brockmann-Bauser, PhD, Jarrad H. Van Stan, PhD, Jörg E. Bohlender, KD MD, Daryush D. Mehta, PhD
	8:10a	Demographics, Risk Factors, and Co-Existing Neurologic and Vocal Fold Disorders in a Group of Patients with Spasmodic Dysphonia Amy Rutt, DO, Selmin Karatayli-Ozgursoy, MD
	8:20a	Perceptual and Quantitative Assessment of Vocal Roughness across Sustained Phonations and Connected Speech Supraja Anand, PhD, David A. Eddins, PhD, Rahul Shrivastav, PhD
	8:30a	Experienced Listeners Perception of Dissimilarity Within and Between Voice Categories  Molly Erickson, PhD
	8:40a	What Does LTAS Tell about The Voice Source? Johan Sundberg, PhD, Gláucia Laís Salomão, PhD, K R Scherer
	8:50a	Discussion
	9:00a	Development and Validation of the Protocol for the Evaluation of the Voice of Hearing Impaired Subjects (PEV-HIS) Ana Cristina Coelho, PhD, Alcione Ghedini Brasolotto, PhD, Fayez Bahmad Jr., MD
	9:10a	A Comparison of Videokymography and Electroglottogram for Measuring Contact Quotient Values in Classically Trained Singers Richard J. Morris, PhD, David Okerlund, MM, Mary M. Gorham-Rowan, PhD, Shonda Bernadin, PhD, Elizabeth A. Farr, BS
	9:20a	Salivary Pepsin Test: Helpful Tool for Laryngopharyngeal Reflux Diagnosis Luz Barona-LLeo, MD, Rafael Barona-De Guzmán, MD, Claudio Krstulovic-Roa, MD, Claudia Duval-Pastor
	9:30a	Effects of Angle of Epiglottis on Aerodynamic and Acoustic Parameters in Excised Canine Larynges Yanchao Jiao, MD, Qingkai Zeng, MD, Peiyun Zhuang, MD

	MEDICAL SESSION IIA (8:00AM - 10:00AM)	JUNE 3
9:40a	The Incidence of Thyroid Disease in Patients with Voice Complaints	SUNDAY 2018
	Yolanda D. Heman-Ackah, MD, John Paul Hagerty, BA	
9:50a	Discussion	
	MEDICAL SESSION IIB (8:00AM - 10:00AM) CONCURRENT WITH SESSION IIA	
	iyun Zhuang, MD tin Philadelphia Hotel: Grand Ballroom, Salon II	AGENDA
8:00a	Communication in Restaurants - How Much Would You Spend to Eat at this Restaurant?  Pasquale Bottalico, PhD	
8:10a	Detection of Muscle Tension Dysphonia using Eulerian Video Magnification Jason Adleberg, BSE, Ashley P. O'Connell Ferster, MD, Daniel Benito, MD, Robert T. Sataloff, MD	
8:20a	Animal Study of Vocal Fold Repair using Glyco-Chitosan with Collagen III Fibrils Lexi Christina Chen, B-Eng, Almoaid Rammal, MD, Neda Latifi, PhD, Huijie Wang, PhD, Nicole Yee Key Li-Jessen, PhD, Karen Kost, MD, Luc Mongeau, PhD	
8:30a	Vocal Fold Tissue Remodelling through Mechanotransduction by Lax Vox Therapy Case Presentation of Two Special Cases with Sever Vocal Fold Pathologies  Josef Schlömicher-Thier, MD, Matthias Weikert, MD	re
8:40a	Validation of Adequacy of Topical Anesthesia for Office Based Laryngeal Procedures By Green Dye: A Preliminary Study Peak Woo, MD	
8:50a	Discussion	
9:00a	The Effect of Cricothyroid and Thyroarytenoid Muscle Botulinum Toxin Injection on Airway for Bilateral Recurrent Laryngeal Nerve Paralysis Peiyun Zhuang, MD, Yanchao Jiao, MD, Xinlin Xu, MD	
9:10a	Bilateral Posterior Cricoarytenoid Myoneurectomy for Abductor Spasmodic Dysphonia Ashley P. O'Connell Ferster, MD, Daniel A. Benito, MD, Robert T. Sataloff, MD	

JUNE 3		MEDICAL SESSION IIB, CONT.
SUNDAY 2018	9:20a	Injection Augmentation for Benign Essential Tremor: Diagnostic Injection and Autologous Fat Results  Thomas L. Carroll, MD, Maxine Van Doren, MS, Elizabeth Faudoa, Jennifer Winston, MS, Lindsey L. Gordon, MS
AGENDA	9:30a	Treatment and Prognosis of Closed Laryngeal Trauma with Arytenoid Injury Weixin Cui, MD, Wen Xu, MD, Qingwen Yang MD, Xiaoyi Wang, MD,
	9:40a	Anatomical Study of Two Cricothyroid Approaches to the Cadaver Larynx  Haig Panossian, MD, Luke J. Pasick, BS, Robert T. Sataloff, MD
	9:50a	Discussion
	10:00a	Coffee Break (Grand Ballroom, Salon III — Exhibit Hall)
		PANEL(10:30AM - 11:20AM)

### Vague and Vagal Throat Symptoms: How Do We Figure Them Out?

The Westin Philadelphia Hotel: Grand Ballroom

Moderator: Thomas Carroll, MD

Panelists: Maggie Kuhn, MD, Joel Portnoy, MD, Douglas F. Roth, CCC-SLP, Babak Sadoughi, MD

### PANEL(11:20AM - 11:50PM)

### **Stroboscopy Oscars**

The Westin Philadelphia Hotel: Grand Ballroom

Moderators: Michael M. Johns, MD, Eva van Leer, PhD

The Voting Academy: YOU

11:50p Lunch Break (on your own)Meeting of the Symposium Planning Committee (The Board Room)



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For more information about membership, professional development resources and our scholarship program, please visit our website at **www.nyst.org.** 



The Voice—2018
Winter Newsletter

# INJURED SINGERS IN VOCAL CRISIS

Articles by
Jackie Gartner-Schmidt,
PhD, CCC-SLP,
Paul E. Kwok, MD, MSc,
MM
Joan Lader, BFA, SLP
Editor, Mary Sandage,
PhD

https://voicefoundation.org/newsletters/

Care of the Professional Voice 2018

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JUNE 3	Voice Pedagogy ia (1:00PM—5:00PM)	
Sunday 2018		merican College of Surgeons does not provide CME credit for this ne program. ASHA provides CEU credit for this portion of the program.
	Chairs: Matthew Schloneger, PhD , Eva van Leer, PhD The Westin Philadelphia Hotel: Grand Ballroom, Salon I	
AGENDA	1:00p	Getting in Tune with How Singing Teachers Teach: Analyzing the One-to-One Lesson  Laura Crocco, MS, Patricia McCabe, PhD,  Catherine Madill, PhD
	1:10p	Classical Singers' Voice Source Properties: A Longitudinal Study through Years of Higher Education Filipa M.B. Lã, PhD, Alexander Mainka, MD, Willy Mattheus, MS, Dirk Mürbe, MD, Johan Sundberg, PhD
	1:20p	Inspiratory Vocal Fry: Anatomical and Physiological Aspects and Application in Speech Therapy, Vocal Pedagogy and Singing: A Pilot Study Matteo Scalabrin, Luca Carrozza, SLP, Elisabetta Rosa, SLP, Nico Paolo Paolillo, MD
	1:30p	Singing in French: a Multicultural Marriage between Two Musical Systems  Jean-Yves Bosse-Vidal, MA
	1:40p	All Tied Up: The Effect of Wearing a Necktie on Acoustic and Perceptual Measures of Male Solo Singing Evan Edwards, MM
	1:50p	Closed Vowels and Their Effect on Classically Trained Female Closed Quotient (CQegg) Values David Okerlund, MM, Richard Morris, PhD, Shonda Bernadin, PhD
	2:00p	Acoustic Quantification and the Roles of Vibrato and Sound Level in Formant Tuning during the Second Passaggio of a Professional Female Singer Richard C. Lissemore, MPhil, Kevin D. Roon, PhD, Christine H. Shadle, PhD
	2:10p	Discussion
	2:20p	Motor Learning and the Use of Feedback in the Singing Voice Studio Colin Johnson, MM, Eva van Leer, PhD

	VOICE PEDAGOGY IA CONT.	JUNE 3
2:30p	The Effect of Body Awareness Training on Singers' Vocal Function and Performance Ting-Yu Chen, MFA	SUNDAY 2018
2:40p	The Effects of Visual and Auditory Learning Stimuli on the Perceived Execution of Three Sung Vocal Onsets Winston Sullivan, MM, Melissa Grady, PhD	
2:50p	Quantifying Vocal Repertoire Tessituras Through Real-Time Measures Matthew Schloneger, PhD, Eric Hunter, PhD	AGENDA
3:00p	Novel Vocalization Model Using Human Larynx in Pyrrolidon-Embalmed Cadaver Makoto Miyamoto, MD, Hideki Nakagawa, MD, Itaru Watanabe, MD, Shogo Mato, SLP, Miki Nagase, MD, George Matsumura, MD, Koichiro Saito, MD	
3:10p	Do Vocal Performers Maintain Training Program Post College Degree? Edrie Means Weekly, MM, Linda M. Carroll, PhD, Gwen S. Korovin, MD, Rachelle Fleming, DMA	
3:20p	Discussion	-
3:30p	Accurate Measurement of Closed Quotient in the Singing Voice Donald Gray Miller, PhD, C. Julian Chen, PhD, Daniel Ihasz, MM	_
3:40p	Frequency Range Measures in Carnatic Singers Madhumitha Venkataraman, MASLP, Prakash Boominathan, PhD, Aishwarya Nallamuthu, MASLP	
3:50p	Survey of Warm-up Practices and Perceptions among Indian Classical Singers Dhanshree R Gunjawate, PhD, Rohit Ravi, PhD	-
4:00p	Changes in Voice Quality after Pure Tone Stimulation: A Pilot Study Lady Catherine Cantor-Cutiva, PhD, Maria Cristina Jackson-Menaldi, PhD, Pasquale Bottalico, PhL Juliana Codino, MA, Eric Hunter, PhD, Adam D. Rubin, MD	D,
4:10p	Muscle Tension Dysphonia: Are Singers Getting the Help They Need? (Phase III) Jeanne Goffi-Fynn, MM, Felix Graham, MA	-
4:20p	The Utility of Vocal Function Exercises as an Adjunct Therapy for Laryngopharyngeal Reflux (LPR) Symptoms in Singers Kathleen Bell, DMA Cand., David Meyer, DM, Thomas Carroll, MD	_

JUNE 3		VOICE PEDAGOGY SESSION IA CONTINUED					
SUNDAY 2018	4:30p 4:50p 5:00p	Discussion Closing Remarks Adjourn					
		VOICE PEDAGOGY SESSION IB					
	Chairs: Jeannette LoVetri, Christian Herbst, PhD The Westin Philadelphia Hotel: Grand Ballroom, Salon I						
AGENDA	1:00p	Longitudinal Mean and Overall Range Speaking Pitch Variation in English Cathedral Girl Choristers  David M Howard FREng, Graham F. Welch,  Evangelos Himonides					
	1:10p	The Analysis of Choral and Bel-Canto Singing with Acoustical Features and EGG Measurement  Kenta Wakasa, Hiroko Terasawa, PhD,  Ken-Ichi Sakakibara, MSc, Yuzuru Hiraga					
	1:20p	A Longitudinal Study of Intonation in a Cappella Quintet Singing Sara D'Amario, MA, David M. Howard, PhD, Helena Daffern, PhD					
	1:30p	A Longitudinal Study Investigating Temporal Synchronization in Singing Quintet Performances Sara D'Amario, MA, Helena Daffern, PhD, Freya Bailes, PhD, Nicola Pennill, MA					
	1:40p	Overview of Current Term Usage for Contemporary Commercial Music and Other Non-Classical Styles Jeannette L. LoVetri, Jocelyn Medina, MM					
	1:50p	Contemporary Commercial Music (CCM) Vocal Pedagogy: A Matter of Style! Marisa Lee Naismith, MM					
	2:00p	Pedagogical Approaches to Registration and Belting in Contemporary Commercial Singing Elizabeth Ann Benson, DMA					
	2:10p	Discussion					
	2:20p	A Review of Singing Voice Subsystem Interactions Christian T. Herbst, PhD					
	2:30p	Toward an Extended Physiological Model of "Support"  Christian T. Herbst, PhD					
	2:40p	Tongue-up Your Style! The Role of the Tongue and its Physioacoustic Importance for Belting Angelika Nair, PhD					
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	VOICE PEDAGOGY IB CONT.	JUNE 3
2:50p	Water Resistance Therapy as Vocal Warm-Up Method in Contemporary Commercial Music Singers Marcelo Saldías, SLP, Marco Guzmán, PhD, Josselyn Lizana, SLP, Gabriela Sandoval, SLP, Carla Vergara, SLP, Camilo Quezada, PhD	SUNDAY 2018
3:00p	Contribution of the Epilaryngeal Tube Narrowing and Vocal Tract Shape on Spectral Characteristics During Twangy Belting: a Computerized Tomography Study Marco Guzman, PhD, Marcelo Saldias, SLP, Gonzalo Miranda, MD, Anne-Maria Laukkanen, PhD	AGENDA
3:10p	Aerodynamic Characteristics of Growl Voice and Reinforced Falsetto in Metal Singing Karol Acevedo, Marco Guzman, PhD, Nicolas Hormazabal, Vasti Ortiz, Fernando Leiva	
3:20p	Discussion	
3:30p	An Acoustical Comparison of Western Classical and Musical Theater Male Singers-in-Training Kathy Kessler Price, PhD, Jonathan Price, MM, Joshua D. Glasner, MM	
3:40p	Pathology Pathways: Actors Versus Music Theatre Singers Edrie Means Weekly, MM, Linda M. Carroll, PhD, Gwen S. Korovin, MD, Rachelle Fleming, DMA	
3:50p	Redefining the Singer's Formant According to Perceptual Qualities: Singer's Formant-like Peaks in Sopranos Singing Above C5 Ian Howell, DMA, Rebecca Worthington, GD	
4:00p	Acoustic Investigation of the Female Belt in Professional Broadway Actresses Amanda Flynn, MM, Aaron M. Johnson, PhD, Jared Trudeau, MFA	
4:10p	Vocal Tract Resets for Professional Musical Theatre Performers - An Introduction <i>Mark Meylan, BA</i>	
4:20p	The Effects of Three Heel Heights on Postural and Acoustical Measures of Male Singers Amelia Rollings, PhD	
4:30p	Discussion	
4:50p 5:00p	Closing Remarks Adjourn	

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# 48<sup>TH</sup> Annual SYMPOSIUM:

# Care of the Professional Voice 2019

Wednesday, May 29 - Sunday, June 1, 2019

# CALL FOR PAPERS AND POSTERS

Deadline: October 31, 2018

Abstracts must represent original work that has not been published elsewhere. Completed manuscripts must be submitted by the day of presentation at the Symposium and must be submitted for consideration for publication in *Journal of Voice*, unless prior arrangements have been made. There is also a New Investigators Research Forum for works in progress.

# CALL FOR WORKSHOP PROPOSALS Deadline: October 15, 2018

Voice professionals are invited to submit a proposal for a workshop to be considered for presentation at The Voice Foundation's 2019 Symposium. As you prepare your submission, please keep in mind that the focus of the workshop should be on the "live" demonstration of your techniques with singers, actors, patients, or audience members. The workshop duration is 55 minutes, and we request that you plan for the majority of the session to be spent in hands-on interaction with the participants. Be advised that workshops should be designed to be presented without the use of audiovisual aids such as overhead projectors, slide projectors, or videotapes.

# VAN L. LAWRENCE FELLOWSHIP Deadline: November 15, 2018

The Fellowship is open to members of the

### National Association of Teachers of Singing

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# Poster Presentation Coaching, Accent Reduction Coaching, Oral Presentation, Alexander Technique

WEDNESDAY, MAY 30, 2018, 3:00pm—6:00pm (Diane Gaary)
WEDNESDAY, MAY 30, 2018 6:00pm—7:00pm (Dr. Nancy Solomon)

### All Poster Presentation Coaching, Oral Presentation,

Accent Reduction Coaching, Alexander Technique

THURSDAY, MAY 31, 2018 8:00am—11:00am (Jeannie LoVetri)
THURSDAY, MAY 31, 2018 2:00pm—6:00pm (Dr. Lucille Rubin)

Oral Presentation, Accent Reduction Coaching, Alexander Technique FRIDAY, JUNE 1, 2018 9:00am—11:00am (Donna Snow)

Oral Presentation, Accent Reduction Coaching, Alexander Technique SATURDAY, JUNE 2, 2018 9:00am—11:00am (Donna Snow) SATURDAY, JUNE 2, 2018 1:00pm—5:00pm (Janet Feindel)

To schedule coaching, contact Maria Russo at office@voicefoundation.org

# **Symposium Presentation Coaches**

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Janet Madelle Feindel, Full Professor at Carnegie Mellon University and author of *The Thought Propels the Sound* (Plural Publishing), is a certified Alexander Technique Teacher and Fitzmaurice Voice Associate & Designated Linklater Voice Teacher.

**Diane Gaary, MFA, BA,** is an Alexander Teacher, Voice and Speech Trainer, and Feldenkrais Practitioner™. She teaches at Temple University, Arcadia University, and Westminster Choir College, and maintains private studios in Philadelphia and New York City.

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Jeannette LoVetri originated the first program on Contemporary Commercial Music (CCM) at Shenandoah Conservatory in Virginia in 2002. Singing Voice Specialist, The Voice Workshop, New York City. She is one of the world's top specialists in training singers for contemporary commercial music, and the developer of Somatic Voicework

**Lucille S. Rubin, PhD,** of Professionally Speaking And Circle in the Square Theatre School NYC. initiated this successful program. As a former university professor she has extended her coaching skills to corporate clients, Broadway performers, media personalities and presentation speakers.

**Donna Snow, MFA,** Associate Professor and Head of the Undergraduate Acting Program at Temple University Theater Department, is a Master Teacher in Fitzmaurice Voice Technique.

Nancy Pearl Solomon, PhD, CCC-SLP, is a research speech-language pathologist at Walter Reed National Military Medical Center and adjunct professor at the University of Maryland with three decades' experience presenting research papers and posters.

Thank you, Coaches for championing this effort for its twelfth successful year!

# AWARDS **HISTORY** 2018 47TH ANNUAL **SYMPOSIUM**

### WILBUR JAMES GOULD AWARD

Anna Moffo Sarnoff 1996 Sadanand Singh, PhD 2001 Robert T. Sataloff 2007

Stuart Orsher 2018

### TONY RANDALL AWARD

Eli Wallach 2008

### RAYMOND AND BEVERLY SACKLER AWARD RECIPIENTS

Sandra Schultz Newman 2007

Anna Moffo Sarnoff 2001

Terry Gross 2002

Tony Randall 2003

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Helen Hayes 1988 Walter Cronkite 1989 James Earl Jones 1990 lessica Tandy 1991 C. Everett Koop 1992 Jack Klugman 1995

Patti LuPone 1998 Nancy Snyderman, MD 1999 Celeste Holm 2000

Bobby Rydell 2011 Danny Aiello 2012 Michael Sheehan 2012 Anthony Lacuria 2013

Dr. John 2013 Bootsy Collins 2014 Joel Grey 2015 Stacy Keach 2015 Paulo Szot 2016 Chita Rivera 2016 Tommy Tune 2017 Cicely Tyson 2018

### VOICE EDUCATION RESEARCH AWARENESS AWARD

Geraldine Dietz Fox 1990 Enrico Manca 1991 Anthony Quinn 1993 Dan Rather 1993 Anna Moffo Sarnoff 1993 Adele Warden Paxson 1993 Dan Rather 1993 John R. Stafford 1994 Anthony Quinn 1994 Alan King 1994 Phyllis Curtin 1994 Hans von Leden 1994 Rotan E. Lee 1994 David W. Brewer MD 1995 Malcolm Poindexter 1995 Brian McDonough MD 1996 Licia Albanese 1997 Berle Schiller 1997 Leon Fassler 1998 Sherrill Milnes 1998 Grace Bumbry 1999 Matina Horner 1999 George Shirley 1999 David Bradley 2000 Richard Leech 2000

Jack Klugman 2001 Dame Julie Andrews 2002 Samuel Katz 2002 Renata Scotto 2003 Constantine Papadakis 2003 Robert Driver 2004 Aprile Millo 2004 Teddy Pendergrass 2004 James Gerlach 2005 Giorgio Tozzi 2005 Shirley Verrett 2005 Martina Arroyo 2006 Richard Miller, PhD 2006 Ben Vereen 2006 Harolyn Blackwell 2007 Robert Goulet 2007 Marni Nixon 2007 Claudia Catania 2008 Lisa Thomas-Laury 2008 Manuel N. Stamatakis 2008 Glen Campbell 2009 Charles Dutoit 2009

Ruth Ann Swenson 2009

Richard Homan 2010

Peter Nero 2010

Paul Plishka 2010 Richard Raub 2010 Barry Bittman 2011 Diane Rehm 2011 Diana Soviero 2011 Terry Stewart 2011 Frederica von Stade 2012 Byron Janis 2012 Vy Higginsen 2013 Susanne Mentzer 2013 Roberta Flack 2014 Denise Graves 2014 Lucille Rubin 2014 Dolora Zajick 2015 Catherine Malfitano 2016 Drexel U. & John Fry 2016 Reri Grist 2017 Daniel Schidlow, MD 2017 K. James McDowell 2017 Simon Estes 2018 Karen Hepp 2018 Lauren Johnson 2018 Walter Williams 2018

### G. PAUL MOORE LECTURERS

G. Paul Moore 1981 Hans von Leden 1982 Friedrich Brodnitz 1983 Harry Hollien 1984 John A. Kirchner 1985 Henry J. Rubin 1986 Minoru Hirano 1987 David W. Brewer 1988 Johan Sundberg 1989 Oskar Kleinsasser 1990 Wilbur J. Gould 1991 Ingo R. Titze 1992 Harvey M. Tucker 1993

Robert T. Sataloff 1994 Richard Miller 1995 Nobuhiko Isshiki 1996 Aatto Sonninen 1997 Steven Gray 1998 Joel Kahane 1999 Jean Westerman Gregg 2000 Daniel R. Boone 2001 Ronald C. Scherer 2002 Charles Ford 2003 R. J. Baken 2004 Janina Casper 2005 Christy Ludlow 2006

Jean Abitbol 2007 Diane Bless 2008 Michael S. Benninger 2009 Bonnie Raphael 2010 Katherine Verdolini Abbott 2011 Peak Woo 2012 Thomas Murry 2013 Gayle Woodson 2014 Brenda Smith 2015 Mara Behlau 2016

AWARD HISTORY 2018 47TH ANNUAL **SYMPOSIUM** 

### QUINTANA VOICE RESEARCH AWARD RECIPIENTS

Kenzo Ishizaka 1989 Gunnar Fant 1990 Ingo R. Titze 1991 Kenneth Stevens 1992 Martin Rothenberg 1993 Jan Gauffin 1995

Donald Childers 2000 Adrian Fourcin 2004 Masayuki Sawashima 2006 Johan Sundberg 2008 Harm Schutte 2010

Aatto Sonninen 1997

Kiyoshi Honda 2012 Fariborz Alipour 2014 Ulrich Eysholdt 2015 RJ Baken 2016 Dimitar Deliyski 2017 Luc Mongeau 2018

Sten Ternström 2017 Nicolas Maragos 2018

### BEST STUDENT PRESENTATION

Matthew Schloneger 2015 Marion Semmler 2016 Jeong Min Lee 2017

### HAMDAN INTERNATIONAL PRESENTATION AWARD

Laura Enflo 2012 Christian Herbst 2013 Edwin M.L. Yiu 2014 Anna Rumbach 2015

Meike Brockman-Bauser 2016 Claudio Stork 2017

### SATALOFF YOUNG INVESTIGATORS AWARD RECIPIENTS

Heather Shaw Bonilha 2009 Rosiane Yamasaki 2010

Satoshi Ohno 2011

Matthew Hoffman 2012

Aaron Johnson 2013 Jessica Sofranco Kisenwether

2014

Stephanie Misono 2015

Christian T. Herbst 2016 Maryam Naghibolhosseini

2017

# HONORED MASTER CLASS TEACHERS

Renata Scotto 1984 John Moriarty 1985 John Wustman 1986 Anna Moffo 1987 Phyllis Curtin 1988 Max Rudolf 1989 Frank Guerarra 1990 Craig Ruttenberg 1991 Barbara Silverstein 1992 Harold Evans 1993 Phyllis Curtin 1994 George Shirley 1995

Ruth Falcon 1996 Cynthia Hoffmann 1997 Sherrill Milnes 1998 Leslie Guinn 1999 Claudia Catania 2000 Tito Capobianco 2001 Susan Ashbaker 2002 Sharon Sweet 2003 Christofer Macatsoris 2004 Shirley Verrett 2005 Martina Arroyo 2006 Susan Ashbaker 2007

Katherine Ciesinski 2008 John Burrows 2009 Harolyn Blackwell 2010 Diana Soviero 2011 Frederica von Stade 2012 Susanne Mentzer 2013 Denyce Graves 2014 Dolora Zajick 2015 Dolora Zajick 2016 Reri Grist 2017 Simon Estes 2018

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If you are interested in starting a local chapter in your area, please contact office@voicefoundation.org or (215) 735-7999.

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- A complimentary annual subscription to *Journal of Voice*, the Foundation's official, scholarly, bimonthly publication

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### Benefits

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# Registration is available online at

voicefoundation.org/annual-symposium/register/

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# \*Full Course includes:

All sessions, *Gala*, Workshops, Master Class and Receptions

# \*All Sessions includes:

All sessions, *(No Gala)*, Workshops, Master Class and Receptions

# \*Daily Rates

includes: Single days, *(No Gala)*, Workshops, Master Class and Receptions on the chosen day(s)

### **Selections**

	Full Course - All Activities	All Sessions (no Gala)	Daily Rate (no Gala)	*Workshops Only	*Master Class Only		
Before April 24 <sup>th</sup>							
Physician	\$750.	n/a	\$200.				
Non-	\$600.	\$405.	\$155.	\$55.	\$50.		
Student	\$345.	\$150.	\$55.				
After April 2	24 <sup>th</sup>						
Physician	\$850.		\$225.				
Non-	\$700.	\$505.	\$215.	\$55.	\$50.		
Student	\$395.	\$200.	\$70.				

Gala (for Symposium attendees): \$195
Gala (for non-Symposium attendees): \$250

# **Current Voice Foundation members receive a**

**Symposium discount!** The promotional codes, which should be entered in the online registration page, were sent to all members via e-mail. *If you are a current member and did not receive this promotional code, please contact office@voicefoundation.org.* 

# THURSDAY, MAY 31

Quintana Award Committee 7:20am - 8:10am The Board Room

Journal of Voice Editorial Board 12:00pm - 1:30pm TBD

Presentation Outreach Committee 12:00pm - 1:30pm The Board Room

# FRIDAY, JUNE 1

Advisory Board 6:45am - 8:00am The Director's Room

TVF Board of Directors 12:15pm - 1:30pm The Board Room

Young Laryngologist Study Group 12:15pm The Director's Room

# SATURDAY, JUNE 2

New Investigator Research Forum 7:00am - 7:50am The Board Room

Voice Laboratory Representatives 12:00 - 12:55pm The Director's Room

Voice Foundation Local Chapters 12:00 - 12:55pm The Board Room

NATS Luncheon— Dutch Treat Ruby Tuesday Restaurant 12:00-12:55pm

# SUNDAY, JUNE 3

Symposium Planning Committee 12:00pm - 1:00pm The Board Room MEETING
SCHEDULE
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# THANK YOU...

for your participation in our Annual Symposium. CARE OF THE PROFESSIONAL VOICE

Your membership dues, donations, and contributions enable us to continue The Voice Foundation's mission.

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	Wednesday	T:	Thursday	T:	F-14
1.00 014	Wednesday	Time	Thursday	Time	Friday
1:00 PM 2:00 PM	Registration	7:00 AM		6:45 AM 7:00 AM	Advisory Board
	Welcome				
2:15 PM 2:30 PM	Overview	7:20 AM 7:25 AM	Meetings	7:20 AM	Registration
2:30 PM 2:45 PM	RT Sataloff	7:25 AM 7:30 AM	Quintana Committee	8:00 AM	Special Session
3:00 PM	Anat & Phys. Of	7:45 AM	Registration Welcome	6.00 AIVI	Voice and Exercise -
3:15 PM	Production &	8:00 AM	weicome	l	Nancy Solomon, Mod.
3:30 PM	Perception of Voice	8:15 AM		1	Sandage, Johnson
3:45 PM	An Overview C. Larson, J. Sundberg	8:30 AM	Basic Science I	l	Sundaye, Somison
4:00 PM	Coffee Break	8:45 AM		l	
4:15 PM	Productioncont	9:00 AM		l	
4:30 PM	R. Scherer	9:15 AM		9:20 AM	Coffee Break
4:50 PM		9:30 AM	Quintana Lecture	1	Collee bleak
5:00 PM	Sten Ternstr öm	9:45 AM	Luc Monaeau, PhD	9:50 AM	Friedlander, Moliterno
5:15 PM		10:00 AM	Coffee Break		,
5:30 PM	R. Shrivastav	10:15 AM	Control or Can	l	
5:45 PM		10:30 AM	Basic Science II & III	11:00 AM	Panel Discussion
6:00 PM	W. Riley	10:45 AM			
6:15 PM		11:00 AM			
6:30 PM	Discussion	11:15 AM			
6:45 PM		11:30 AM	Panel Discussion		
7:00 PM	Adjorn	11:45 AM		11:50 AM	V Lawrence Award
		12:00 PM	Lunch	12:00 PM	Lunch
		12:15 PM			TVF Board of Directors
		12:30 PM	JOV Editorial Board	l	Young Laryngologists
		12:45 PM 1:00 PM	Pres. Outreach	l	REMOVE POSTERS
		1:15 PM		1:30 PM	Workshops
		1:30 PM	Keynote Speech	1.50 FIVI	Session I
		1:45 PM	Boris Alexander		Jession i
		2:00 PM	Kleber, PhD	2:25 PM	
		2:15 PM	McDel, I lib	2:30 PM	Workshops
		2:30 PM	Basic Science IV		Session II
		2:45 PM		l	
		3:00 PM		3:25 PM	
		3:20 PM	Panel Discussion	3:30 PM	Workshops
		3:35 PM		l	Session III
		3:50 PM			
		4:00 PM	Poster Session I	4:25 PM	
		4:15 PM	and Coffee	4:30 PM	Workshops
		4:30 PM			Session IV
		4:45 PM	Danta Carrier II		
		5:00 PM 5:15 PM	Poster Session II	5:25 PM	
		5:15 PM 5:30 PM		5.23 FW	
		5:30 PM 5:45 PM	Dinner		TICKETS REQUIRED
		6:00 PM	Dilliei	6:00 PM	Cocktail Reception
		6:15 PM		JIJJ FIII	Dountain Neveption
		6:30 PM			Dinner
		7:00 PM			
		7:15 PM	Basic Science	1	Voices of Summer
		7:30 PM	Special Session		Gala (Black Tie)
		8:15 PM	Adjourn		Sackler Award VERA AWARD
					Lining
Page 7	76				Dancing
ruge /				11:30 PM	

Time	Saturday		Time	Time Sunday		
7:00 AM	Meetings		7:00 AM		,	
7:20 AM	New Investigator Research Forum		7:15 AM			
7:35 AM	7:00am - 7:50am		7:30 AM	Regist	tration	
7:30 AM	Registration		7:45 AM	_		
8:00 AM	Medical 1A	Medical 1B	8:00 AM	Medical IIA	Medical IIB	
			8:15 AM			
			8:30 AM			
			8:50 AM	Discussion	Discussion	
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	<b>5</b>	B: .	l .			
9:50 AM	Discussion	Discussion Break	9:50 AM	Discussion	Discussion	
9:50 AIVI	Collec	DIEdk	10:00 AM			
10:10 AM	PA	NEL	120.007.00	Coffee Break		
10.10 AW	Challeges in P		10:30 AM	PA	NEL	
	Julina Ongkasuwa		120.307.00	Vague and Vagal Throat Symptoms:		
11:00 AM		ards	1		gureThem Out?	
11:10 AM		ore Lecture	1		y, Roth, Sadoughi	
11.10 / 111	Nicholas M		1		Borgne	
	Doing N		11:20 AM		NEL	
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12:00 PM	LUI	NCH	1		and Eva van Leer	
12.001111	Local Chapt	ers Meeting		The Acade	emy = YOU	
		ab Reps	12:10 PM			
			1	Symposium Planning Committee		
1:00 PM	Speech Path 1A	Speech Path 1B	1:00 PM	Vocal Ped IA	Vocal Ped IB	
			1			
	Diamorian	Diamorian	l .			
2:50 PM 3:00 PM	Discussion	Discussion	-			
3.00 FW	Coffee	Break	1			
3:30 PM	Speech Path IIA	Speech Path IIB	1			
	-		3:40 PM	Discussion	Discussion	
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			4:30 PM	Discussion	Discussion	
5:00 PM				Closing Remarks RT Sata	ЮП	
5:10 PM	Din	ner	5:00 PM	Meeting Adjourned		
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6:00 PM	Special	Sessions	1			
3.00 F IVI	•	oice Care Services for	I			
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	Professional		I			
		Outcomes	-			
6:50 PM	Perfect Harmony: The	Education in	I			
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7:45 PM		R CLASS	1			
7:45 PM	ININGIE	n consu	1			
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			1			
9:30 PM	Reception		1			
2.22.111	Sing-Along with Grant		1			

# The Voice Foundation's 47<sup>th</sup> Annual Symposium: Care of the Professional Voice

MAY 30 —JUNE 3, 2018 The Westin Philadelphia Philadelphia, Pennsylvania, USA THE VOICE FOUNDATION 219 N. Broad St. 10FL Philadelphia, PA 19107 USA (215) 735-7999 Fax (215) 762-5572

www.voicefoundation.org office@voicefoundation.org

Symposium registration is available online at: http://voicefoundation.org/annual-symposium/register/

Registration completed before April 24, 2018 qualifies for a discounted rate.

Please see page 74 of the 2018 Symposium program for registration pricing and further information.

Hotel reservations can be made online at: https://www.starwoodmeeting.com/Book/voicefound2018 Please book by May 1, 2018 for the group rate.



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