



# ***Annual Dissertation Presentation Day Bachelor of Science Program in Speech and Hearing Sciences***

**27<sup>th</sup> May 2016**

**Rayson Huang Theatre, Main Campus  
University of Hong Kong**

*Online registration:*

[https://hkuems1.hku.hk/hkuems/ec\\_regform.aspx?guest=Y&ueid=42969](https://hkuems1.hku.hk/hkuems/ec_regform.aspx?guest=Y&ueid=42969)



*Programme at a glance:* [http://www.speech.hku.hk/ccdhku/poster/presentation\\_day\\_2016.pdf](http://www.speech.hku.hk/ccdhku/poster/presentation_day_2016.pdf)



**Faculty of Education**  
The University of Hong Kong



DIVISION OF SPEECH AND HEARING SCIENCES  
FACULTY OF EDUCATION



THE CENTRE FOR  
**COMMUNICATION DISORDERS**



## Annual Presentation of B.Sc. (Speech & Hearing Sciences) Final Year Dissertations

### *Program at a Glance*

TIME	SESSION
09.00 – 09.15	Registration
09.15 – 09.30	Introduction
09:30 – 10:00	Opening speech Professor Brendan Weekes Chair in the Division of Speech and Hearing Sciences, Faculty of Education, HKU  Photo-taking ceremony with Undergraduate Research Fellowship Recipients and their Supervisors
<b>Plenary 1</b> 10.00 – 10.30	<b>Chair: Prof. Brendan Weekes</b>  <b>From clinical observation to research outcome</b> <i>Professor Stephanie Stokes</i> <i>University of Hong Kong</i>
10.30 – 10.45 <i>Break</i>	
<b>Plenary 2</b> 10.45 – 11:45	<b>Chair: Dr. Min Ney Wong</b> Student Oral Presentation I
<b>Plenary 3</b> 11.45 – 13.00	<b>Chair: Dr. Anna Petrova</b> Student Oral Presentation II
13:00 – 14:00 <i>Lunch</i>	
<b>Plenary 4</b> 14:00 – 15:00	<u>Student Poster Presentation I</u> Odd-numbered poster presentation
15:00 – 16:00	<u>Student Poster Presentation II</u> Even-numbered poster presentation
16.00 – 16.15 <i>Break</i>	
<b>Plenary 5</b> 16.15 – 16.45	<b>Chair: Prof. Brendan Weekes</b>  <b>Getting from A to B in Research: Viewing Challenges as Opportunities</b> <i>Professor Thomas Klee</i> <i>University of Hong Kong</i>
16.45 – 17:30	Presentation of Best Student Presentation Awards & Cake-cutting Ceremony



### Recipients of Undergraduate Research Fellowship 2015-16

Name of student	Project title	Name of supervisor	Award received
Aris Wong (AL Year 4)	The effects of linguistic similarities between L1 and L2 on L2 Chinese and English literacy acquisition	Prof. Sam Po Law	Undergraduate Research Fellowship Programme 2015-16 Research Internship Award (local)
Elva Leung Yuen Ying (AL Year 4)	A behavioral and event-related potentials (ERPs) study of Cantonese tone merging: The role of cognitive abilities in speech processing	Prof. Sam-Po Law	Undergraduate Research Fellowship Programme 2015-16 Research Internship Award (local)
Charlie Yeung Cheuk Laam (AL Year 4)	An evidence-based approach to blended learning model for aphasia naming rehabilitation	HKU supervisor: Prof. Sam-Po Law  Internship supervisor: Dr. Anthony Pak-Hin Kong	Undergraduate Research Fellowship Programme 2015-16 Research Internship Award (local)
Rena Chang Ka Yin (AL Year 4)	An acoustical examination of differences in speech motor control associated with bilingual and monolingual speakers	HKU supervisor: Dr. Lawrence Ng  Internship supervisor: Prof. Michael Robb	Undergraduate Research Fellowship Programme 2015-16 Research Internship Award (overseas) at the University of Canterbury
Shirley Lau Suet Lai (AL Year 4)	Identifying Visual-Orthographical Markers of Reading Expertise in Chinese: Correlating Behavioral and Event-related Potential Measures	Dr. I-Fan Su	Undergraduate Research Fellowship Programme 2015-16 Research Internship Award (local)



**Recipients of Undergraduate Research Fellowship 2015-16**

Name of student	Project title	Name of supervisor	Award received
Heidy Ng Ka Hei (AL Year 4)	Understanding the relationship between executive functions and reading in school-age children	HKU supervisor: Dr. Shelley Tong  Internship supervisor: Prof. Helene Deacon	Undergraduate Research Fellowship Programme 2015-16 Research Internship Award (overseas) at Dalhousie University, Canada  <b>Best Poster Award</b>
Ruby Wong Wing Yan (AL Year 4)	Prosody, literacy, and theory of mind in ASD school aged children	Dr. Shelley Tong	Undergraduate Research Fellowship Programme 2015-16 Research Internship Award (local)
Jessica Lo Man Wai (DSE Year 4)	Examining the grammatical complexity of preschool children with Specific Language Impairment using the revised Index of Syntax Development	Dr. Anita Wong	Undergraduate Research Fellowship Programme 2015-16 Research Internship Award (local)



**Plenary 1 (10:00 - 10:30) Chair: Prof. Brendan Weekes**

**From clinical observation to research outcome**

*Professor Stephanie Stokes*  
*University of Hong Kong*

**Abstract**

As clinicians working with people on a daily basis we often have insights or observations that make us question if a client's learning could be affected by X, Y or Z. Ideally, we would investigate our question by undertaking an empirical project. However, we seldom have the opportunity or time to take our questions from observation to research outcome. This talk illustrates how one clinical question was investigated using behavioural (corpus analysis), computational (simple recurrent network modelling), and imaging (EEG) methods, and highlights the potential for collaboration between clinicians and researchers.

**About the speaker**

Stephanie Stokes is a professor of communication disorders in the Division of Speech and Hearing Sciences at the University of Hong Kong. Her research focuses on speech and language development and disorders, mostly in the preschool population, and much of her research has been with Cantonese-speaking children. She has previously held academic posts in the UK, Australia, and New Zealand.



## Annual presentation of B.Sc. (Speech & Hearing Sciences) Final year dissertations: Oral presentation

*(Each oral presentation will be 12 minutes long (10 mins presentation + 2 mins Q&A))*

### List of Oral Presentations

Time	Title	Presenter
	<b><u>Plenary 2 - Student Oral Presentation I (10: 45– 11:45)</u></b> <b><u>Chair: Dr Min Ney Wong</u></b>	
10:45	Understanding the relationship between executive function and reading in Cantonese-English Bilingual children	Ng Ka Hei Heidy <sup>a,b</sup>
10:57	Comprehension of basic relational concepts in Hong Kong preschool children	Chan Hok Yi Teresa
11:09	Effect of color on picture naming in children with and without autism spectrum disorder	Lam Kin Yan Kent
11:21	Understanding Chinese high-functioning autistic children: The simple "mind" of reading	Wong Wing Yan Ruby <sup>a</sup>
11:33	Identifying morphological markers of reading expertise in Chinese: Correlating behavioural and event-related potential measures	Ho Hei Ling Heily
	<b><u>Plenary 3 - Student Presentation II (11:45 – 13:00)</u></b> <b><u>Chair: Dr Anna Petrova</u></b>	
11:45	Investigation of the role of co-verbal gestures in lexical retrieval in connected speech in normal speakers and speakers with aphasia	Cheung Ka Yan Charis
11:57	An evidence-based approach to blended learning model for aphasia naming rehabilitation	Yeung Cheuk Laam Charlie <sup>a</sup>
12:09	The effects of one month of musical training on cognitive abilities and language skills	Chan Wai Ching Rachel
12:21	Effects of linguistic background and musical experience on melodic pitch and linguistic pitch processing	Man Yuen Ying Mandy
12:33	Respiratory muscle resistance training in improving speech of Parkinson's patients	Ling Nga See Ling
12:45	An acoustical examination of differences in speech motor control associated with bilingual and monolingual speakers	Chang Ka Yin Rena <sup>a</sup>

<sup>a</sup>Recipients of Undergraduate Research Fellowship

<sup>b</sup>Recipient of Best Poster Award, Undergraduate Research Fellowship Program



## Annual presentation of B.Sc. (Speech & Hearing Sciences) Student Poster Presentation

### *List of Poster Presentations*

No.	Title	Presenter
	<b><u>Plenary 4 – Student Poster Presentation I (14:00 – 15:00)</u></b> Odd-numbered poster presentation	
01	The use of eye gaze in interpreting communicative intentions in Cantonese-speaking adults with high-functioning autism	Chan Hoi Ting Heidi
03	Speech sound disorders or differences: Insights from bilinguals speaking two Chinese languages	Lam Ki Yan Kitty
05	Monosyllabic Cantonese tone productions by typically-developing 3-year-old children	Fu Wing Man Janice
07	Narrative development of preschoolers in Hong Kong: the comparison between personal and fictional narratives	Wong Wing Yi Esther
09	Identifying phonological markers of reading expertise in Chinese: Correlating behavioral and event-related potential measures	Chan Lai Ting Christine
11	Development of Mandarin consonant discrimination test in quiet and in noise	Chan Wing Man Claudia
13	Age estimation from voice in the Cantonese elderly population: Influence of listener's age and types of stimulus	Wu Chor Kiu Michelle
15	A systematic review for muscle tension dysphonia (MTD)	Chan Nga Yi Kelly
17	Translation and validation of pediatric voice handicap index	Tang Lok Heng Lorraine
19	The effect of an experiential learning based swallowing management program on promoting knowledge, skills and attitude in nursing home carers	Lam Stephanie
21	Effect of transcranial direct current stimulation (tDCS) on tongue twister production – A preliminary study	Chan Yanky
23	Impact of language dominance on phonetic transfer in Cantonese-English bilingual language switching	Chan Siu Ki Chuck
25	The effects of musical experience on cognitive and language abilities	Leung Si Ki Ceci



No.	Title	Presenter
	<b><u>Plenary 4 - Poster Session II (15:00 – 16:00)</u></b> Even-numbered poster presentation	
02	Comprehension of affective prosody in Cantonese-speaking adults with and without high-functioning autism	Ng Carmen Kar Men
04	Mothers do not enhance phonemic contrasts of Cantonese lexical tones with didactic intent in infant-directed speech	Ng Hoi Yee Hoi
06	Acoustic characteristics of Cantonese tones produced by adults and children	Cheung Yuen Ling Eunice
08	Mental-state language use and its relationship with theory of mind in school-age children	Poon Kin Kwan Minnie
10	Identifying visual-orthographical markers of reading expertise in Chinese: Correlating behavioral and event-related potential measures	Lau Suet Lai Shirley <sup>a</sup>
12	The relationship between two measures of cochlear function: Otoacoustic emission amplitude and the short increment sensitivity index	Chau Tsz Ho
14	Comparison of Praat and MDVP in analyzing Cantonese children voice	Ching Long Kin Navid
16	The impact of dysphonic voices of teachers on children's comprehension of spoken language	Chui Chun Hei Johnny
18	Validation of the visual impairment versions of the Cantonese Mini-Mental State Examination (CMMSE-VI) and the Hong Kong Montreal Cognitive Assessment (HKMoCA-VI)	Fung Cho Man Natalie
20	Impact of dysphagia on quality of life in individuals with visual impairment and development of the visual impairment version of the Swallowing Activity Participation Profile (SAPP)	Siu Tsz Kwan Vivian
22	The use of Lombard effect in improving loudness problem among alaryngeal speech of Cantonese	Kwan Ho Yee April
24	The effects of linguistic similarities between L1 and L2 on L2 Chinese and English literacy acquisition	Wong Aris <sup>a</sup>
26	Behavioral and event-related potentials (ERPs) study of Cantonese tone merging: The role of cognitive abilities in speech processing	Leung Yuen Ying Elva <sup>a</sup>





**Plenary 5 (16:14 - 16:45) Chair: Prof. Brendan Weekes**

**Getting from A to B in Research: Viewing Challenges as Opportunities**

*Professor Thomas Klee*

*University of Hong Kong*

**Abstract**

In 2010, we received a 3-year research grant from the Marsden Fund to conduct a longitudinal study of children with and without early language delay, the purpose of which was to examine three hypotheses related to predicting which toddlers were most at risk of having persistent language problems. However, we encountered two major obstacles before the study ever got off the ground—and the research took nearly 5 years to complete. This talk will focus on how we met one of the challenges and how that resulted in conducting a completely unanticipated research project along the way ([kidswords.org](http://kidswords.org)). Some of the major findings from that study will be presented.

**About the speaker**

Thomas Klee joined the Division of Speech and Hearing Sciences in November 2015. Before that, he held academic posts in the USA, UK and New Zealand. He recently completed a third term as an Associate Editor of the *Journal of Speech, Language, and Hearing Research*. His current research focuses on children's early language development and improving the way in which children with language difficulties are identified.