

# HKU Tonetics workshop 香港大學聲調工作坊

12–16 January 2015 🇭🇰 HKU Centennial Campus

	Monday 12 <sup>th</sup>	Tuesday 13 <sup>th</sup>	Wednesday 14 <sup>th</sup>	Thursday 15 <sup>th</sup>	Friday 16 <sup>th</sup>
10:00 –12:00	<b>Introduction.1</b>	<b>Tonal Acoustics.1</b>	<b>Tone Production.1</b>	<b>Normalisation of tone.1</b>	<b>Tone Perception</b>
	The wider context – Language Phonetics Phonology  Voice model (choice & constraint)  Typology  Intonation	Acoustic Theory of Speech Production (Source-Filter theory)  Quantifying tone acoustics  Intrinsic/extrinsic features	Larynx anatomy  Fibrescopic examination  Electromyographic data on tone  Aerodynamics of tone production	Aims  Methods  Evaluation	Cochleagrams  Categorical vs continuous perception Multidimensional scaling analysis of tone
12:00–13:00	<b>Lunch</b>				
13:00–14:00	<b>Introduction.2</b>	<b>Tonal Acoustics.2</b>	<b>Tone Production.2</b>	<b>Normalisation of tone.2</b>	<b>Tone Modeling</b>
	Transcription  Tonology	Sampling tonal acoustics: polynomial transform & smoothing of F0  Semitone transform	Cord oscillation  'Whole larynx approach'	Acoustic reconstruction of tone	Phonology as model  Citation vs. normal speech tones
14:00–15:00	<b>R for toneticians.1</b>	<b>R for toneticians.2</b>	Tonation (interaction with phonation type)	<b>R for toneticians.3</b>	Kratochvil's derivational model  Fujisaki's command- response model
	Basic input-output  Plotting an F0 contour  Writing & implementing your .exe file	Indexing, loops		Sampling tone acoustics (Cantonese/Shanghai/Fuzhou) Tone normalisation from go to whoa	
15:00–15:30	<b>Coffee/Tea break</b>				
15:30–	'BOYT' (Bring your own tones!): Informal participants' questions/problems/discussion				

We are deeply grateful to the HKU School of Humanities for sponsoring this event.

Details of the location will be sent to successful applicants.