

适用语言学视角下的 Praat 语音学软件培训班 (2-3)

Training Course on Praat from the Applicable Linguistics Perspective (2-3)

马丁适用语言学研究中心/Martin Centre for Applicable Linguistics

在今年 2 月 17 日至 21 日成功举办第一期“适用语言学视角下的 Praat 语音学软件培训班”的基础上，马丁适用语言学研究中心定于 2016 年 4 月 2 日至 4 日、5 月 1 日至 3 日分别举办该系列培训的第二期和第三期。主讲人为 Susanto Saman 博士/后，地点为外国语学院 214 室。

Susanto Saman 博士简介、培训班具体内容安排见下。

本培训班继续免费面向教师、硕博士研究生及博士后人员开放，工作语言为英语，参加讲习班需自带电脑。

报名请联系：王品 wangpin@sjtu.edu.cn，并抄送 wzhenhua@sjtu.edu.cn。

欢迎接受过第一期培训的各位老师同学继续参加第二期及第三期培训！

上海交通大学外国语学院
马丁适用语言学研究中心
2016 年 3 月 8 日

Lecturer : Dr. Susanto Saman

Time : 2–4 April 2016 (Lev.2); 1–3 May 2016 (Lev.3)

Venue : Room#214, School of Foreign Languages

Dr. Susanto Saman

He is currently a Post-doc Fellow at Martin Center for Applicable Linguistics, School of Foreign Languages, Shanghai Jiao Tong University (SJTU). He is working in Forensic Linguistics under the supervision of Prof. Wang Zhenhua.

In Indonesia, he is the head of Center for Studies in Linguistics and also a lecturer at English Education Study Program in the Faculty of Teacher Training and Education, Bandar Lampung University. He got his doctoral degree in Linguistics and Phonetics from English and Foreign Languages University (EFLU), India. He ever joined Winter Institute at Macquarie University, Sydney and learned Linguistics from SFL eminent scholars such as Prof Matthiessen, Prof Greaves, Prof Bateman and Prof Teruya in the institute.

For the professional associations, he has joined Germanic Society for Forensic Linguists (GSFL) in Germany, Foundation of Endangered Languages (FEL) in UK, International Organization of Indonesian Scientist (I-4) in Germany, Consortium of Indonesian Society (KOMANDO) in Indonesia, and Society of Digital Information and Wireless Communications (SDIWC) in US.

His current research interest mainly covers forensic phonology from the perspective of Systemic Functional Linguistics. He is good at applying Praat, Elan and some other softwares to his forensic research.

More information about him can be found in his official website: www.susantosaman.cf

Schedule for Praat Training Lev.2

DATE	TIME	TOPIC (ENGLISH)	TOPIC (CHINESE)	ESSENTIAL READINGS
Day 1: Saturday 2 April 2016	09:00-11:30	<p>Intonation Systems (in more details for main physical correlates of the acoustic cues): TONALITY TONICITY TONE</p> <p>Creating PRAAT sound files (WAV format) Creating PRAAT Pictures</p> <p>Measures for frequency and amplitude perturbation: Jitter and shimmer measures</p> <p>Intermediate Pitch Analysis: H/N ratio and speaking F0</p>	<p>音调系统 (更多关于声学线索的物理相关性) 音调性 调位强度 声调</p> <p>创建 Praat 声音文件 (WAV 格式) 绘制 Praat 图片</p> <p>频率和振幅扰动措施: 抖动 闪烁</p> <p>中级音高分析: H/N 比值和基频发音</p>	<p>Boersma & Weenink (2015) Halliday (1967) Halliday (1970) Halliday & Greaves (2008) Halliday & Matthiessen (2014) Halliday & Webster (Eds.) (2009) Matthiessen (2009) Susanto (2014) Webster, J. J. (Ed.) (2005)</p>
	13:30-16:30	<p>Assignment 1: Acoustic analysis on the main physical correlates of the acoustic cues such as fundamental frequency (F0), intensity and timing (duration) for tone group boundary identification, tonic syllable identification and pitch contour shape.</p> <p>Primary and Secondary</p> <p>(The sound files are created in PRAAT: short spontaneous monologues)</p>	<p>任务 1: 声音线索物理相关性分析的声学分析, 如基频、由强度和持续时间识别调群界限、强音音节的识别和音高曲线等。</p> <p>首要和次要</p> <p>(声音文件由 Praat 创建: 短而自然的独白)</p>	
Day 2: Sunday 3 April 2016	09:00-11:30	<p>Metafunctional analysis (in more details): Ideational (Logical) – Tone sequences in Logico semantic relations Interpersonal – Key system Textual – ID and IF</p>	<p>元功能分析 (更具体): 概念 (逻辑) —— 声调序列间的逻辑语义关系 人际 —— 基调系统 语篇 —— 信息分布和信息焦点</p>	
	13:30-16:30	<p>Assignment 2: Tiers for TS, TG and IT – along with LSM, KS, ID and IF</p>	<p>任务 2: 层级: 强音音节、声调群和音调声调 —— 以及逻辑语义关系、基调系统、信息分布和信息焦点</p>	
Day 3: 4 April 2016	09:00-11:30	<p>Class Presentation: For Assignment 1 and 2 Supported by Praat Pictures</p>	<p>课堂报告: 任务 1, 2 需要有 Praat 图片</p>	
	13:30-16:30	<p>Examination: (Tasks in Assignment 1 and 2 for another sound file)</p>	<p>检验: 新声音材料分析 (任务 1, 2)</p>	

Schedule for Praat Training Lev.3

DATE	TIME	TOPIC (ENGLISH)	TOPIC (CHINESE)	ESSENTIAL READINGS
Day 1: Sunday 1- May-2016	09:00-11:30	<p>Speech Syntesis (Focus on Intonation Systems: TONALITY, TONICITY, and TONE)</p> <p>Speech Manipulation in PRAAT: Voicing VOT Length Pitch Duration</p> <p>Creating PRAAT sound files (WAV format) Creating PRAAT Pictures</p> <p>Advances Pitch Settings for Analysis: Silence threshold Octave cost Octave jump cost Voice and unvoiced cost</p>	<p>语音合成 (关注音调系统: 音调性、调位强度和声调)</p> <p>Praat 相关语音调整: 发声 核心语音时间 (Voice Onset Time) 长度 音高 持续性</p> <p>创建 Praat 声音文件 (WAV 格式) 绘制 Praat 图片</p> <p>高级音高分析: 静音阈 Octave 花费 Octave 跳跃花费 补点和删点花费</p>	<p>Boersma & Weenink (2015) Halliday (1967) Halliday (1970) Halliday & Greaves (2008) Halliday & Matthiessen (2014) Halliday & Webster (Eds.) (2009) Matthiessen (2009) Susanto (2014) Webster, J. J. (Ed.) (2005)</p>
	13:30-16:30	<p>Assignment 1: Acoustic analysis on the Speech Systesis - Tonality, Tonicity, Tone (The sound files are created in PRAAT: short spontaneous dialogues)</p>	<p>任务 1: 声音合成的声学分析: 音调性、调位强度和声调 (声音文件由 Praat 创建: 短而自然的对话)</p>	
Day 2: Monday 2-May-2016	09:00-11:30	<p>Spectral make-up Formants Spectral slice Waveforms (in details) Antiformants Formant transitions</p>	<p>频谱组成 共振峰 频谱切片 波形 (具体) 反共振峰 共振峰变化</p>	
	13:30-16:30	<p>Assignment 2: Acoustic analysis on TG and syntesized TG (Marked and Unmarked) Acoustic analysis on TS and syntesized TS (Phonemes in C, N and O position) Acoustic analysis on IT and syntesized IT (Primary and Secondary)</p>	<p>任务 2: 声调群和合成声调群的声学分析 (标记和非标记) 强音音节和合成强音音节的声学分析 (在 C, N 和 O 位置的音位) 音调声调和合成音调声调的声学分析 (主要和次要)</p>	
Day 3: 3-May-2016	09:00-11:30	<p>Class Presentation: For Assignment 1 and 2 Supported by Praat Pictures</p>	<p>课堂报告: 任务 1, 2 需要 Praat 图片</p>	
	13:30-16:30	<p>Examination: (Tasks in Assignment 1 and 2 for another sound file)</p>	<p>检验: 新声音材料分析 (任务 1, 2)</p>	