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## Curriculum Vitae

### Personal details

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### Professional Affiliations

- Member of IEEE, Member of ISCA, Member of ACM

### Academic experiences

- Postdoctoral researcher of CNRS/Telecom ParisTech
- Researcher of JAIST, Japan

### Academic Activities:

The program chair of NCMMSC2015.  
The local Chair of ISCSLP2016  
The program chair of NCMMSC2017  
The program chair of International seminar of speech production 2017  
The general secretary of NCSP'2011  
Reviewer of International Journal:  
Speech communication  
J of Supercomputing  
IEEE Journal of Selected Topics in Signal processing  
Multimedia tools and applications

### Education

*Japan Advanced Institute of Science and Technology, Japan, Ph.D.*  
*Tianjin University, China, M.S.*  
*Jilin University, China, B.S.*

### Working Experience

- Tianjin University, China (2002-2004) & (2010-now)

## Publications

1. Jianwu Dang, Jianguo Wei, and Kiyoshi Honda, and Takayoshi Nakai, A study on transvelar coupling for non-nasalized sounds, *Journal of Acoustic Society of America*, 139, 1, 441-454, 2016/01
2. Jianguo Wei; Jie Liu; Qiang Fang; Wenhuan Lu; Jianwu Dang, A Novel Method for Constructing 3D Geometric Articulatory Model, *Journal of Signal Processing Systems for Signal Image and Video Technology*, s11265-015-1002-8(10.1007), pp 1-8, 2015/5/7.
3. Jianguo Wei, Song Wang, Qingzhi Hou, Jianwu Dang, Generalized Finite Difference Time Domain Method and Its Application to Acoustics, *Mathematical Problems in Engineering*, 2015, 2015.
4. Jianguo Wei, Song Wang, Wenhuan Lu, Qingzhi Hou, Qiang Fang, Jianwu Dang, Multi-modal recording and modeling of vocal tract movements, *Multimedia Tools and Applications*, 2014, pp 1-17, 2015.
5. Jianguo Wei, Qiang Fang, Xinyuan Zheng, Wenhuan Lu, Yuqing He, Jianwu Dang, Mapping ultrasound-based articulatory images and vowel sounds with a deep neural network framework, *Multimedia Tools and Applications*, 2015卷, 2015.
6. Jianrong Wang, Ju Zhang, Kiyoshi Honda, Jianguo \*Wei, Jianwu Dang, Audio-visual speech recognition integrating 3D lip information obtained from the Kinect, *Multimedia Systems*, 2015, pp 1-9, 2015.
7. Jianrong Wang; Yalong Wang; \*Jianguo Wei; Ju Zhang, CONTINUOUS ULTRASOUND BASED TONGUE MOVEMENT VIDEO SYNTHESIS FROM SPEECH, 41st IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2016), 2016/3/20-2016/3/25, Shanghai, 2016/03/20.
8. Honghao Bao; Wenhuan Lu; Kiyoshi Honda; Jianguo Wei; Qiang Fang; Jianwu Dang, Combined cine-and tagged-MRI for tracking landmarks on the tongue surface, 16th INTERSPEECH, 2015/9/6-2015/9/10, 2015/9/6.
9. Wang, Xiaozhen; \*Honda, Kiyoshi; Dang, Jianwu; Wei, Jianguo, Vocal responses to frequency modulated composite sinewaves via auditory and vibrotactile pathways, 40th IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2015, 2014/4/19-2014/4/24, pp 4355-4359, Brisbane, QLD, Australia, 2015/4/19.
10. Qiang Fang; Jianguo Wei; Fang Hu, Reconstruction of Mistracked Articulatory Trajectories, 15th Annual Conference of the International Speech Communication Association (Interspeech2014), 2014/09/14-2014/09/18, 2014/09/16.
11. Yujie Chi; Kiyoshi Honda; Jianguo Wei; Hui Feng; Jianwu Dang, MEASURING ORAL AND NASAL AIRFLOW IN PRODUCTION OF CHINESE PLOSIVE, Interspeech2015, 2015/9/6-2015/9/10, 2015/9/6.
12. Yuguang Wang; Jianwu Dang; Xi Chen; Jianguo Wei; Hongcui Wang; Kiyoshi Honda, An MRI-based Acoustic Study of Mandarin Vowels, INTERSPEECH 2013, 2013/8/26-2013/8/29, 2013,
13. Shen Liu; Jianguo Wei; Xin Wang; Wenhuan Lu; Qiang Fang; Jianwu Dang, An

Anisotropic Diffusion Filter Based on Multidirectional Separability, 14th Annual Conference of the International Speech Communication Association, INTERSPEECH 2013, 2013-2013, 2013.

14. Jingshu Zhang; Jianguo Wei; Wenhuan Lu; Qiang Fang; Kiyoshi Honda; Jianwu Dang, Vowel Normalization by Articulatory Information, Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPAASC2015), 2015/12/16-2015/12/19, 2015/12/16.
15. Guancheng Li; Jianwu Dang; Gaoyan Zhang; Zhilei Liu, Investigation of relation between speech perception and production based on EEG source reconstruction, APSIPA Annual Summit and Conference 2015 (APSIPA ASC 2015), 2015/12/16-2015/12/19, 2015/12/16.
16. Xiaozhen Wang; Kiyoshi Honda; Jianwu Dang; Hongcui Wang; Jianguo Wei, Influences of Auditory and Vibrotactile Information on Vocal F0 Responses, APSIPA Annual Summit and Conference 2015 (APSIPA ASC 2015), 2015/12/16-2015/12/19, 2015/12/16.
17. Teng Li; Kiyoshi Honda; Jianguo Wei; Jianwu Dang, A LIP PROTRUSION MECHANISM EXAMINED BY MAGNETIC RESONANCE IMAGING AND FINITE ELEMENT MODELING, 18th International Congress of Phonetic Sciences, 2015/8/10-2015/8/14, 2015/8/10.
18. Fang, Qiang; Liu, Jie; Song, Chan; \*Wei, Jianguo; Lu, Wenhuan, A novel 3D geometric articulatory model, 9th International Symposium on Chinese Spoken Language Processing, ISCSLP 2014, 2014/9/12-2014/9/14, pp 368-371, Singapore, 2014/9/15.
19. Jianrong Wang; Ju Zhang; Jianguo Wei; Wenhuan Lu, Automatic speech recognition under robot ego noises, Chinese Spoken Language Processing (ISCSLP), 2014 9th International Symposium on, 2014/9/12-2014/9/14, p 377, 2014/9/14.
20. Zheng, Xinyuan; Wei, Jianguo; Lu, Wenhuan; Fang, Qiang; Dang, Jianwu, Mapping between ultrasound and vowel speech using DNN framework, 9th International Symposium on Chinese Spoken Language Processing, ISCSLP 2014, 2014/9/12-2014/9/14, pp 372-376, Singapore, 2014/9/13.
21. Zhang, Jianan; Wei, Jianguo; Zhang, Chengran; Huang, Dian; Dang, Jianwu, Visualization of mandarin articulation driven by ultrasound data, 9th International Symposium on Chinese Spoken Language Processing, ISCSLP 2014, 2014/9/12-2014/9/14, pp 363-366, Singapore, 2014/9/13.
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23. Xinyuan Zheng; \*Jianguo Wei; Wenhuan Lu; Qiang Fang; Jianwu Dang, mapping between ultrasound and vowel speech using dnn framework, 2014 9th International Symposium on Chinese Spoken Language Processing (ISCSLP), 2014/9/12-2014/9/14, pp 372-376, 2014/9/12.
24. Zhao, Chen; Dang, Jianwu; Wang, Yuguang; Wei, Jianguo; Honda, Kiyoshi, Individual variation of morphological and acoustic effects of the nasal

- tract, 2013 IEEE China Summit and International Conference on Signal and Information Processing, ChinaSIP 2013, 2013/7/6-2013/7/10, pp 337-341, Beijing, China, 2013.
25. He, Yuqing; Chen, Shuan; Wei, Jianguo, Assessment method of image super resolution reconstruction based on local similarity, 5th International Conference on Internet Multimedia Computing and Service, ICIMCS 2013, 2013/8/17-2013/8/19, pp 154-157, Huangshan, China, 2013.
  26. Hong Liu; Jianguo Wei; Wenhuan Lu; Qiang Fang; Liang Ma; Jianwu Dang, Morphological Normalization: A Study of Vowels for Mandarin and Japanese, Asia Pacific Signal and Information Processing Association (APSIPA 2013), 2013/10-2013/10, 2013.
  27. Dian Huang; Xiyu Wu; Jianguo Wei; Hongcui Wang; Chan Song; Qingzhi Hou; Jianwu Dang, Visualization of Mandarin Articulation by using a Physiological Articulatory Model, Asia Pacific Signal and Information Processing Association (APSIPA 2013), 2013/10-2013/10, 2013.
  28. Qiang Fang; Fang Hu; Jianguo Wei; Aijun Li; Haibo Wang, Estimating the Position of Mistracked Coil of EMA Data Using GMM-Based Methods, Asia Pacific Signal and Information Processing Association (APSIPA 2013), 2013/10-2013/10, 2013.
  29. Mingming Zhang; Weifeng Li; Longbiao Wang; Jianguo Wei; Zhiyong Wu; Qingmin Liao, Frequency-domain Dereverberation on Speech Signal using Surround Retinex, Asia Pacific Signal and Information Processing Association (APSIPA 2013), 2013/10-2013/10, 2013.
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  31. Huang, Dian; Wang, Hongcui; Wei, Jianguo; Dang, Jianwu, Three-Dimensional Tongue Modeling Based on PCA for Visualized Pronunciation Feedback, International Conference on E-business Technology and Strategy (iCETS), 2012/8/29-2012/8/31, pp 620-627, Tianjin, PEOPLES R CHINA, 2012.
  32. Wang, Yuguang; Wang, Hongcui; Wei, Jianguo; Dang, Jianwu, Mandarin vowel synthesis based on 2D and 3D vocal tract model by finite-difference time-domain method, 2012 4th Asia-Pacific Signal and Information Processing Association Annual Summit and Conference, APSIPA ASC 2012, 2012/12/3-2012/12/6, Hollywood, CA, United states, 2012.
  33. Hyon, Songgun; Wang, Hongcui; Wei, Jianguo; Dang, Jianwu, An investigation of dependencies between frequency components and speaker characteristics based on phoneme mean F-ratio contribution, 2012 4th Asia-Pacific Signal and Information Processing Association Annual Summit and Conference, APSIPA ASC 2012, 2012/12/3-2012/12/6, Hollywood, CA, United states, 2012.
  34. Liu, Shen; \*Wei, Jianguo; Feng, Bo; Lu, Wenhuan; Denby, Bruce; Fang, Qiang; Dang, Jianwu, An anisotropic diffusion filter for reducing speckle noise of ultrasound images based on separability, 2012 4th Asia-Pacific Signal and Information Processing Association Annual Summit and Conference, APSIPA ASC 2012, 2012/12/3-2012/12/6, Hollywood, CA, United states, 2012.

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40. Cao, Mengxue; Li, Aijun; Fang, Qiang; Wei, Jianguo; Song, Chan; Dang, Jianwu, Acoustic and articulatory analysis on Japanese vowels in emotional speech, 2012 8th International Symposium on Chinese Spoken Language Processing, ISCSLP 2012, 2012/12/5-2012/12/8, pp 40-44, Hong Kong, China, 2012.
41. Jianguo Wei and Jianwu Dang, " MORPHOLOGICAL NORMALIZATION OF VOCAL TRACT SHAPE", The 35th International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Mar, 2010, Dalas, USA.
42. Jianguo Wei, Xugang Lu and Jianwu Dang, "A model-based learning process for modeling coarticulation of human speech", IEICE Transactions on Information and Systems IEICE Trans. Inf. & Syst. No.10, pp.1581-1591, 2007.
43. Jianguo Wei, Jianwu Dang and Pascal Perrier, "Observation and Modeling of Lingual Coarticulation in the Planning Stage", AFCP Workshop Coarticulation: cues, direction, and representation, Montpellier, France, pp71-74, Dec, 2007.
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