

个人简历

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个人介绍

党鑫，男，2013年毕业于日本国立静冈大学天津工业大学创造科学技术大学院情报科学专业；现为天津工业大学计算机科学与软件学院讲师。

教育背景

- 2010.04- 2013.09 博士 日本静冈大学,创造科学技术大学院,情报科学专业
研究课题: 语音增强和噪声能量频谱估计
- 2008.04-2010.04 硕士 日本静冈大学,电气电子工学部, 电气电子工学专业
研究课题: 基于线性预测的语音降噪
- 2001.09-2005.06 学士 中南大学,机电工程学院,机械设计制造及其自动化专业

博士研究方向

- 语音频谱模型和噪声频谱模型
- 噪声能量频谱追踪
- 噪声环境下语音可懂度的提升
-

奖项荣誉

- 天野工业技术研究所奖学金 2012
- 三井·杜邦氟化化学公司奖学金 2008

发表论文

1. **Xin Dang**, Takayoshi Nakai: "Noise Power Spectral Density Estimation using the Generalized Gamma Probability Density Function and Minimum Mean Square Error," IEICE transactions on Fundamentals of Electronics, Communications and Computer Sciences.
2. Ekramul Hamid, Khademul Islam Molla, **Xin Dang** and Takayoshi Nakai: "Single Channel Speech Enhancement Using Adaptive Soft-Thresholding with Bivariate EMD," Volume 2013 , ISRN Signal Processing
3. **Xin Dang**, Takayoshi Nakai and Md. Iqbal Aziz Khan, "Noise power spectral density estimation based on maximum a posteriori and generalized gamma distribution," International Journal of Advanced Science and Technology, May 2013.

国际会议

1. **Xin Dang**, Takayoshi Nakai and Md. Iqbal Aziz Khan : “An adaptive noise power spectral density estimation of noisy speech using generalized gamma probability density function,” The 21st International Congress on Acoustics (ICA2013), Jun. 2013.
2. **Xin Dang**, Md. Iqbal Aziz Khan and Takayoshi Nakai : “Noise Reduction of Speech Signal Based on Phase Spectrum Estimation,” 2013 IEEE International Workshop on Informatics, Electronics & Vision (ICIEV2013), May 2013.
3. **Xin Dang**, Takayoshi Nakai: “Noise reduction using modified phase spectra and Wiener Filter,” 2011 IEEE International Workshop on Machine Learning for Signal Processing (MLSP2011), Sept. 2011.
4. **Xin Dang**, Takayoshi Nakai : “Noise reduction using LPC and Wiener filter in fluctuated noise” The 2011 Symposium on Modeling of speech and Audio-Visual Mechanism, Feb. 2011.

日本国内会议

1. **Xin Dang**, Takayoshi Nakai : “Speech Intelligibility Improvement in Noise based on Empirical Mode Decomposition,” Reports of the meeting the Acoustical Society of Japan, Sept.2013.
2. **Xin Dang**, Takayoshi Nakai : “An improved noise reduction method using modified phase spectra,” Reports of the meeting the Acoustical Society of Japan, Mar.2013.
1. **Xin Dang**, Takayoshi Nakai: “Noise Spectral Amplitude Estimation based on Maximum a Posteriori SNR,” Reports of the meeting the Acoustical Society of Japan, Sept.2012.
2. **Xin Dang**, Takayoshi Nakai : “An improve noise reduction method using modified phase spectra and Wiener Filter,” Reports of the meeting the Acoustical Society of Japan, Mar.2012.
3. **Xin Dang**, Takayoshi Nakai: “Noise reduction using modified phase spectra and Wiener Filter,” Reports of the meeting the Acoustical Society of Japan, Sept. 2011.
4. **Xin Dang**, Takayoshi Nakai : “Noise reduction using LPC and Wiener filter in fluctuated noise,” Reports of the meeting the Acoustical Society of Japan, Mar.2011
5. **Xin Dang**, Takayoshi Nakai: “Speech Enhancement using LPC and Wiener filter at very low signal-to-noise ratios” Reports of the meeting the Acoustical Society of Japan, Sept. 2010 .
6. **Xin Dang**, Takayoshi Nakai : “Noise reduction of speech using noise distribution and modified Wiener filter” Reports of the meeting the Acoustical Society of Japan, Mar. 2010.
7. **Xin Dang**, Takayosi Nakai: “Noise reduction of speech using LPC and Wiener filter, ” IEICE technical report, vol. 109, no. 308, SP2009-62, pp. 1-6, Nov. 2009.