

Atsunori Ogawa

Contact Information

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Affiliation: NTT Corporation

Department: NTT Communication Science Laboratories

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Country: Japan

Field of Specialization

Speech recognition, speech enhancement.

Work Experience

- 2015-Present **Senior Research Scientist**, Media Information Laboratory, NTT Communication Science Laboratories, NTT Corporation. Research topic: Speech recognition and speech enhancement.
- 2015-Present **Visiting Lecturer**, Kansai University. Lecture topic: speech information processing.
- 2007-2015 **Research Scientist**, NTT Communication Science Laboratories, Media Information Laboratory, NTT Corporation. Research topic: Speech recognition and speech enhancement.
- 1998-2007 **Research Scientist**, Audio, Speech, and Language Media Project, NTT Cyber Space Laboratories, Media Information Laboratory, NTT Corporation. Research topic: Speech recognition.

Education Background

- 2006-2008 **Ph.D.**, The Department of Media Science, Graduate School of Information Science, Nagoya University. Ph.D. dissertation: Enhancement of speech recognition engine for practical use of speech recognition system.
- 1996-1998 **M.E. degree**, The Department of Information Electronics, Graduate School of Engineering, Nagoya University. Master thesis: Improved statistical language modeling for continuous speech recognition.
- 1992-1996 **B.E. degree**, The Department of Information Electronics, School of Engineering, Nagoya University. Bachelor thesis: Part-of-speech n-gram language modeling for speech recognition.

Academic Activities

- Committee member of Special Interest Group of Spoken Language Processing, Information Processing Society of Japan (IPSJ-SIG-SLP), 2013-.
- Member of Speech Committee, The Institute of Electronics, Information and Communication Engineers (IEICE), and The Acoustical Society of Japan (ASJ), 2009-2011.
- Member of Peer Review Committee, The Acoustical Society of Japan (ASJ), 2010-.
- Member of Peer Review Committee, Information and System Society, The Institute of Electronics, Information and Communication Engineers (IEICE), 2008-.
- Member of Information Processing Society of Japan (IPSJ), 2013-.
- Member of IEEE, 2009-.
- Member of The Institute of Electronics, Information and Communication Engineers (IEICE), 2003-.
- Member of The Acoustical Society of Japan (ASJ), 1995-.

Recent Publications (Journal Papers)

- [1] Atsunori Ogawa, Takaaki Hori and Atsushi Nakamura, "Estimating speech recognition accuracy based on error type classification," IEEE/ACM Trans. ASLP., vol. 24, no. 12, pp. 2400-2413, Dec. 2016.
- [2] Marc Delcroix, Atsunori Ogawa, Seong-Jun Hahm, Tomohiro Nakatani, and Atsushi Nakamura, "Maximum mutual information criterion for robust unsupervised acoustic model adaptation," Computer Speech and Language, vol. 36, pp. 24-41, 2016.
- [3] Marc Delcroix, Takuya Yoshioka, Atsunori Ogawa, Yotaro Kubo, Masakiyo Fujimoto, Nobutaka Ito, Keisuke Kinoshita, Miquel Espi, Shoko Araki, Takaaki Hori and Tomohiro Nakatani, "Strategies for distant speech recognition in reverberant environments," EURASIP journal on Advances in Signal Processing, 2015.
- [4] Shoko Yamahata, Yoshikazu Yamaguchi, Atsunori Ogawa, Hirokazu Masataki, Osamu Yoshioka, and Satoshi Takahashi, "Automatic vocabulary adaptation based on semantic and acoustic similarities," IEICE Trans. Inf. & Syst. Vol. E97-D, No.6, pp.1488-1496, June 2014.
- [5] Seong-Jun Hahm, Shinji Watanabe, Atsunori Ogawa, Masakiyo Fujimoto, Takaaki Hori, and Atsushi Nakamura, "Proir-shared feature and model space speaker adaptation by consistently employing MAP estimation," Speech Communication, vol. 55, issue 3, pp. 415-431, March 2013.

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