

Some publications and conference proceedings on the Speech Transmission Index (STI) (Feb 2014)

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- 2- Houtgast, T., Steeneken, H.J.M. (1972). Envelope spectrum and intelligibility of speech in enclosures. *Proc. 1972 Conference on Speech Communication and Processing*, April 1972: 392-395.
- 3- Steeneken, H.J.M., Houtgast, T. (1973). Intelligibility in telecommunication derived from physical measurements. *Rapports et Textes Symposium Intelligibilite de la Parole*, November 12-15, Liege 1973: 316-324.
- 4- Houtgast, T., Steeneken, H.J.M. (1973). The modulation transfer function in room acoustics as a predictor of speech intelligibility. *Acustica* 28(1973) 66-73.
- 5- Steeneken, H.J.M., Houtgast, T. (1975). MTF as a physical measure of the quality of communication channels. *Textes des Conferences de Colloque nr. 1: l'Acoustique dans les Telecommunications*", Paris 1975: 351-359.
- 6- Houtgast, T., Steeneken, H.J.M. (1977). Speech intelligibility in rooms; reverberation curve or modulation transfer function? *Proc. 9th International Congress on Acoustics*, July, Madrid 1977: 92.
- 7- Steeneken, H.J.M., Houtgast, T. (1979). Measuring ISO-intelligibility contours in auditoria. *Proc. 3rd Symp. of F.A.S.E. on Building Acoustics*, September, Dubrovnik 1979: 85-88. (RASTI)
- 8- Steeneken, H.J.M., Houtgast, T. (1980). A physical method for measuring speech-transmission quality. *J. Acoust. Soc. Am.* 67(1980) 318-326.
- 9- Steeneken, H.J.M., Houtgast, T. (1983). The temporal envelope spectrum of speech and its significance in room acoustics. *Proceedings 11th ICA Congress*, Paris 1983. Vol. 7: 85-88.
- 10- Houtgast, T., Steeneken, H.J.M. (1984). A multi-language evaluation of the RASTI-method for estimating speech intelligibility in auditoria. *Acustica* 54(1984) 185-199.
- 11- Steeneken, H.J.M. (1992). "On measuring and predicting speech intelligibility", Thesis Univ. of Amsterdam.
- 12- Steeneken, H.J.M., and Houtgast, T. (1999). "Mutual dependence of the octave-band weights in predicting speech intelligibility", *Speech communication*, 1999, vol.28, 109-123.
- 13- Steeneken, H.J.M., Houtgast, T. (2002). Validation of the revised STI, method. *Speech Communications*, vol.38, 2002, p 413-425.
- 14- Steeneken, H.J.M., Houtgast, T. (2002). Phoneme-group specific octave-band weights in predicting speech intelligibility. *Speech Communications*, vol. 38, 2002, p 399-411.
- 15- Wijngaarden, S.J. van and Steeneken, H.J.M. (1999). "Objective prediction of speech intelligibility at high ambient noise levels using the speech transmission index." In *Eurospeech99 – Proceedings of the 6th European Conference on Speech Communication and Technology*, Budapest, Vol 6, p.2639-2642.
- 16- Wijngaarden, S.J. van, H.J.M Steeneken and T. Houtgast, T. 'Quantifying the intelligibility of speech in noise for nonnative listeners.' *J.Acoust.Soc.Am.* 111(4), 1906–1916. (2002).

17-Wijngaarden, S.J. van, Steeneken, H.J.M, Houtgast, T, and Bronkhorst, A.W.(2002). "Using the Speech Transmission Index to predict the intelligibility of non-native speech," J. Acoust. Soc. Am. 111, 2366.

18- Wijngaarden, S, Drullman, R, "Binaural intelligibility prediction based on the Speech Transmission Index", J. Acoust. Soc. Amer. 123, 2008, p 4514-4523.