

# References

1. J.-N. Antons, R. Schleicher, S. Arndt, S. Möller, A.K. Porbadnigk, G. Curio, Analyzing speech quality perception using electroencephalography. *IEEE J. Sel. Top. Signal* **6**(6), 721–731 (2012)
2. J.-N. Antons, R. Schleicher, S. Arndt, S. Möller, G. Curio, Too tired for calling? A physiological measure of fatigue caused by bandwidth limitations, in *Proceeding of International Workshop on Quality of Multimedia Experience (QoMEX)* (2012), pp. 63–67
3. J.-N. Antons, K. Laghari, S. Arndt, R. Schleicher, S. Möller, D.O. Shaughnessy, T. Falk, Cognitive, affective, and experience correlates of speech quality perception in complex listening conditions, in *Proceeding of IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)* (2013), pp. 3672–3676
4. J.-N. Antons, F. Köster, S. Arndt, S. Möller, R. Schleicher, Changes of vigilance caused by varying bit rate conditions, in *Proceeding of International Workshop on Quality of Multimedia Experience (QoMEX)* (2013), pp. 148–151
5. J.-N. Antons, S. Arndt, R. Schleicher, S. Möller, Brain activity correlates of quality of experience, in *Quality of Experience*, ed. by S. Möller, A. Raake. T-Labs Series in Telecommunication Services, ch. 8, 1st edn. (Springer, Cham, 2014), pp. 109–119
6. European Commission—Eurostat: Statistical office of the European Union, *Mobile Phone Subscriptions—Per 100 Inhabitants (Database: tin00060)*. (European Union, Luxembourg, 2013)
7. ITU-T Recommendation G.722.2, *Wideband Coding of Speech at Around 16 kbit/s Using Adaptive Multi-Rate Wideband (AMR-WB)*. (International Telecommunication Union, Geneva, 2002)
8. ITU-T Recommendation H.264, *Advanced Video Coding for Generic Audiovisual Services*. (International Telecommunication Union, Geneva, 2013)
9. S. Möller, A. Raake, Motivation and Introduction, in *Quality of Experience* ed. by S. Möller, A. Raake. T-Labs Series in Telecommunication Services, ch. 1, 1st edn. (Springer, Cham, 2014), pp. 3–9
10. EN ISO 9241, *Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs). Part 11: Guidance on Usability*. (International Organization for Standardization, Geneva, 1999)
11. K. Chen, C. Huang, P. Huang, C. Lei, Quantifying skype user satisfaction. *SIGCOMM Comput. Commun. Rev.* **36**(4), 399–410 (2006)
12. U. Jekosch, *Voice and Speech Quality Perception: Assessment and Evaluation* (Springer, Berlin, 2005)
13. ITU-T Recommendation P.10 (Amendment 3), *New Definitions for Inclusion in Recommendation ITU-T P.10/G.100*. (International Telecommunication Union, Geneva, 2011)

14. S. Möller, *Assessment and Prediction of Speech Quality in Telecommunications* (Kluwer Academic Publishers, Dordrecht, 2000)
15. A. Raake, S. Egger, Quality and quality of experience, in *Quality of Experience*, ed. by S. Möller, A. Raake. T-Labs Series in Telecommunication Services, ch. 2, 1st edn. (Springer, Cham, 2014), pp. 11–33
16. M. Varela, L. Skorin-Kapov, T. Ebrahimi, Quality of service versus quality of experience, in *Quality of Experience*, ed. by S. Möller, A. Raake. T-Labs Series in Telecommunication Services, ch. 6, 1st edn. (Springer, Cham, 2014), pp. 85–96
17. ITU-R Recommendation BT.500-11, *Methodology for the Subjective Assessment of the Quality of Television Pictures*. (International Telecommunication Union, Geneva, 2002)
18. ITU-R Recommendation P.910, *Subjective Video Quality Assessment Methods for Multimedia Applications*. (International Telecommunication Union, Geneva, 2008)
19. ITU-T Recommendation P.800, *Methods for Subjective Determination of Transmission Quality*. (International Telecommunication Union, Geneva, 1996)
20. J.-N. Antons, S. Arndt, R. Schleicher, Effect of questionnaire order on ratings of perceived quality and experienced affect, in *Proceeding of International Workshop on Perceptual Quality of Systems (PQS)* (2013), pp. 1–3
21. A.R. Damasio, *Descartes' Error: Emotion, Reason, and the Human Brain* (G.P. Putnam, New York, 1994)
22. E.B. Goldstein, *Sensation and Perception* (Wiley, Hoboken, 2004)
23. H. Berger, Über das Elektroencephalogramm des Menschen. *Eur. Arch. Psychiatry Clin. Neurosci.* **87**(1), 527–570 (1929)
24. I. Miettinen, H. Tiitinen, P. Alku, P. May, Sensitivity of the human auditory cortex to acoustic degradation of speech and non-speech sound. *BMC Neurosci.* **11**(24), 1471–2202 (2010)
25. B. Lewcio, *Management of Speech and Video Telephony Quality in Heterogeneous Wireless Networks* (Springer, Heidelberg, 2014)
26. S. Möller, *Quality Engineering Qualität Kommunikationstechnischer Systeme* (Springer, Heidelberg, 2010)
27. J. Blauert, Analysis and synthesis of auditory scenes, in *Communication Acoustics*, 1st edn., ed. by J. Blauert (Springer, Heidelberg, 2005), pp. 1–25 (ch. 1)
28. U. Reiter, K. Brunnström, K. De Moor, M.-C. Larabi, M. Pereira, A. Pinheiro, J. You, A. Zgank, Factors influencing quality of experience, in *Quality of Experience*, ed. by S. Möller, A. Raake. T-Labs Series in Telecommunication Services, ch. 4, 1st edn. (Springer, Cham, 2014), pp. 55–72
29. S. Möller, M. Wältermann, M.-N. Garcia, Features of quality of experience, in *Quality of Experience*, ed. by S. Möller, A. Raake. T-Labs Series in Telecommunication Services, ch. 5, 1 edn. (Springer, Cham, 2014), pp. 73–84
30. M. Wätermann, *Dimension-based Quality Modeling of Transmitted Speech* (Springer, Heidelberg, 2013)
31. B. Weiss, D. Guse, S. Möller, A. Raake, A. Borowiak, U. Reiter, Temporal development of quality of experience, in *Quality of Experience*, ed. by S. Möller, A. Raake. T-Labs Series in Telecommunication Services, ch. 25, 1st edn. (Springer, Cham, 2014), pp. 367–381
32. J. Blauert, *Spatial Hearing: The Psychophysics of Human Sound Localization* (MIT Press, Cambridge, 1996)
33. ITU-R Recommendation BS.1534-2, *Method for the Subjective Assessment of Intermediate Quality Levels of Coding Systems* (International Telecommunication Union, Geneva, 2014)
34. ITU-T Recommendation G.107, *The E-model: A Computational Model for Use in Transmission Planning*. (International Telecommunication Union, Geneva, 2011)
35. ITU-T Recommendation P.863, *Perceptual Objective Listening Quality Assessment* (International Telecommunication Union, Geneva, 2011)
36. R. Schleicher, J.-N. Antons, Evoking emotions and evaluating emotional impact, in *Quality of Experience*, ed. by S. Möller, A. Raake. T-Labs Series in Telecommunication Services, ch. 9, 1st edn. (Springer, Cham, 2014), pp. 121–132

37. R. Parasuraman, The attentive Brain: issues and prospects, in *The Attentive Brain*, 1st edn., ed. by R. Parasuraman (MIT Press, Cambridge, 2000), pp. 3–17 (ch. 1)
38. S. Bech, N. Zacharov, *Perceptual Audio Evaluation: Theory Method and Application* (Wiley, Hoboken, 2006)
39. S.R. Quackenbush, T.P. Barnwell, M.A. Clements, *Objective Measures of Speech Quality* (Prentice Hall Englewood Cliffs, New Jersey, 1988)
40. F. Wichmann, N. Hill, The psychometric function: I. fitting, Sampling, and goodness of fit. *Percept. Psychophysics* **63**, 1293–1313 (2001)
41. J.-N. Antons, A.K. Porbadnigk, R. Schleicher, B. Blankertz, S. Möller, G. Curio, Subjective listening tests and neural correlates of speech degradation in case of signal-correlated noise, in *Proceedings of Audio Engineering Society Convention (AES)* (2010), pp. 1–4
42. A.K. Porbadnigk, J.-N. Antons, B. Blankertz, M.S. Treder, R. Schleicher, S. Möller, G. Curio, Using ERPs for assessing the (sub)conscious perception of noise, in *Proceeding of International Conference of the IEEE Engineering in Medicine and Biology Society (EMBS)* (2010), pp. 2690–2693
43. A.K. Porbadnigk, J.-N. Antons, M.S. Treder, B. Blankertz, R. Schleicher, S. Möller, G. Curio, ERP assessment of word processing under broadcast bit rate limitations. *Neurosci. Lett.* **500**(Supplement 1), e26–e27 (2011)
44. S. Arndt, J.-N. Antons, R. Schleicher, S. Möller, S. Scholler, and G. Curio, A physiological approach to determine video quality, in *Proceeding of IEEE International Symposium on Multimedia (ISM)* (2011), pp. 518–523
45. S. Scholler, S. Bosse, M.S. Treder, B. Blankertz, G. Curio, K.R. Müller, T. Wiegand, Towards a direct measure of video quality perception using EEG. *IEEE Trans. Image Process* **21**(5), 2619–2629 (2012)
46. C. Duncan, R. Barry, J. Connolly, C. Fischer, P. Michie, R. Näätänen, J. Polich, I. Reinvang, C. Petten, Event-related potentials in clinical research: Guidelines for eliciting, recording, and quantifying mismatch negativity, P300, and N400. *Clin. Neurophysiol.* **120**, 1883–1903 (2009)
47. D.A. Pizzagalli, Electroencephalography and high-density electrophysiological source localization, in *Handbook of Psychophysiology*, ch. 3, 3rd edn. ed. by J. Cacioppo, L. Tassinary, G. Berntson (Cambridge University Press, Cambridge, 2007), pp. 56–84
48. M.S. Coles, M. Rugg, Event-related brain potentials: an introduction, in *Electrophysiology of Mind: Event-Related Brain Potentials and Cognition*, ch. 1, 1st ed. ed. by M.S. Coles, M. Rugg (Oxford University Press, Oxford, 1995), pp. 1–33
49. M. Fabiani, G. Gratton, K.D. Federmeier, Event-related potentials: methods, theory, and applications, in *Handbook of Psychophysiology*, ch. 4, 3rd edn. ed. by J.T. Cacioppo, L.G. Tassinary, G.G. Berntson (Cambridge University Press, Cambridge, 2007), pp. 85–119
50. G. Dornhege, J.R. del Millán, T. Hinterberger, D. McFarland, K.R. Müller, *Toward Brain-Computer Interfacing* (MIT Press, Cambridge, 2007)
51. B. Blankertz, R. Tomioka, S. Lemm, M. Kawanabe, K.R. Müller, Optimizing spatial filters for robust EEG single-trial analysis. *IEEE Sig. Process Mag.* **25**(1), 41–56 (2008)
52. K.R. Müller, S. Mika, G. Rätsch, K. Tsuda, B. Schölkopf, An introduction to kernel based learning algorithms. *IEEE Neural Networks* **12**(2), 181–201 (2001)
53. K.R. Müller, M. Tangermann, G. Dornhege, M. Krauledat, G. Curio, B. Blankertz, Machine learning for real-time single-trial EEG-analysis: from brain-computer interfacing to mental state monitoring. *J. Neurosci. Methods* **167**(1), 82–90 (2008)
54. B. Blankertz, M. Tangermann, C. Vidaurre, S. Fazil, C. Sannelli, S. Haufe, C. Maeder, L.E. Ramsey, I. Sturm, G. Curio, K.R. Müller, T. Wiegand, The Berlin brain-computer interface: non-medical uses of bci technology. *Front. Neurosci.* **4**, 198 (2010)
55. A.-N. Moldovan, I. Ghergulescu, S. Weibelzahl, C. Muntean, User-centered EEG-based multimedia quality assessment, in *Proceeding of International Symposium on Broadband Multimedia Systems Broadcasting (BMSB)* (2013), pp. 1–8
56. J. Perez, E. Deléchelle, On the measurement of image quality perception using frontal EEG analysis, in *Proceeding of International Conference on Smart Communications in Network Technologies (SaCoNeT)* (2013), pp. 1–5

57. S. Lal, A. Craig, Reproducibility of the spectral components of the electroencephalogram during driver fatigue. *Int. J. Psychophysiol.* **55**, 137–143 (2005)
58. Y. Punsawad, S. Aempedchr, Y. Wongsawat, M. Panichkun, Weighted-frequency index for EEG-based mental fatigue alarm system. *Int. J. Appl. Biomed. Eng.* **4**(1), 36–41 (2011)
59. J.A. Coan, J. Allen, Frontal EEG asymmetry as a moderator and mediator of emotion. *Biol. Psychol.* **67**, 7–50 (2004)
60. A. Gevins, M.E. Smith, Electroencephalography (EEG) in neuroergonomics, in *Neuroergonomics: The Brain at Work*, ch. 2, 1st edn. ed. by R. Parasuraman, M. Rizzo (Oxford University Press, Oxford, 2007), pp. 15–31
61. S. Lal, A. Craig, A critical review of the psychophysiology of driver fatigue. *Biol. Psychol.* **55**, 173–194 (2001)
62. S. Lal, A. Craig, Driver fatigue: electroencephalography and psychological assessment. *Psychophysiology* **39**, 313–321 (2002)
63. K. Hagemann, *The Alpha Band as an Electrophysiological Indicator for Internalized Attention and High Mental Workload in Real Traffic Driving*, PhD thesis (University Düsseldorf, Düsseldorf, 2008)
64. S. Arndt, J.-N. Antons, R. Gupta, K. Laghari, R. Schleicher, S. Möller, T.H. Falk, The effects of text-to-speech system quality on emotional states and frontal alpha band power, in *Proceeding of International IEEE/EMBS Conference on Neural Engineering (NER)* (2013), pp. 489–492
65. American Clinical Neurophysiology Society, Guideline 5: guidelines for standard electrode position nomenclature. *J. Clin. Neurophysiol.* **23**(2), 107–110 (2006)
66. R. Parasuraman, Neuroergonomics: brain-inspired cognitive engineering, in *The Oxford Handbook of Cognitive Engineering*, ch. 9, 1 edn. ed. by J.D. Lee, A. Kirlik, M. Dainoff (Oxford University Press, Oxford, 2013), pp. 159–177
67. E.A. Schmidt, M. Schrauf, M. Simon, A. Buchner, W.E. Kincses, The short-term effect of verbally assessing drivers state on vigilance indices during monotonous daytime driving. *Transp. Res. Part F: Psychol. Behav.* **14**(3), 251–260 (2011)
68. J.R. Jennings, P.J. Gianaros, Methodology, in *Handbook of Psychophysiology* ch. 34, 3rd edn. ed. by J. Cacioppo, L. Tassinary, G. Berntson (Cambridge University Press, Cambridge, 2007), pp. 812–833
69. S. Luck, Ten simple rules for designing ERP experiments, in *Event-Related Potentials: A Methods Handbook*, ed. by T.C. Handy (MIT Press, Cambridge, 2005), pp. 17–32
70. S.H. Patel, P.N. Azzam, Characterization of N200 and P300: selected studies of the event-related potential. *Int. J. Med. Sci.* **2**(4), 147–154 (2005)
71. K.M. Spencer, Interpreting event-related brain potentials, in *Event-Related Potentials: A Methods Handbook*, ch. 1, 1st edn. ed. by T.C. Handy (MIT Press, Cambridge, 2005), pp. 3–16
72. M. Mustafa, S. Guthe, M. Magnor, Single trial EEG classification of artifacts in videos. *ACM Trans. Appl. Percept.* **9**(3), 1201–1215 (2012)
73. B. Blankertz, S. Lemm, M.S. Treder, S. Haufe, K.-R. Müller, Single-trial analysis and classification of ERP components—a tutorial. *Neuroimage* **56**, 814–825 (2011)
74. R. Näätänen, Mismatch negativity (MMN) as an index of central auditory system plasticity. *Int. J. Audiol.* **47**, 16–20 (2008)
75. M. Garrido, J. Kilner, K. Stephan, K. Friston, The mismatch negativity: a review of underlying mechanisms. *Clin. Neurophysiol.* **120**, 453–463 (2009)
76. L. Sculthorpe, D. Ouellet, K. Campbell, MMN elicitation during natural sleep to violations of an auditory pattern. *Brain Res.* **1390**, 52–62 (2009)
77. R. Näätänen, P. Paavilainen, T. Rinne, K. Alho, The mismatch negativity (MMN) in basic research of central auditory processing: a review. *Clin. Neurophysiol.* **118**, 2544–2590 (2007)
78. M. Pilling, Auditory event-related potentials (ERPs) in audiovisual speech perception. *J. Speech Lang. Hear. Res.* **52**, 1073–1081 (2009)
79. J.R. Folstein, C. Petten, Influence of cognitive control and mismatch on the N2 component of the ERP: a review. *Psychophysiology* **45**(1), 152–170 (2008)
80. J. Polich, Updating P300: an integrative theory of P3a and P3b. *Clin. Neurophysiol.* **118**(10), 2128–2148 (2007)

81. R. Näätänen, T. Kujala, I. Winkler, Auditory processing that leads to conscious perception: a unique window to central auditory processing opened by the mismatch negativity and related responses. *Psychophysiology* **48**, 4–22 (2011)
82. S. Koelsch, Music-syntactic processing and auditory memory: similarities and differences between ERAN and MMN. *Psychophysiology* **46**, 179–190 (2009)
83. K.M. Spencer, Averaging, detection, and classification of single-trial ERPs, in *Event-Related Potentials: A Methods Handbook*, ch. 10, 1st edn. ed. by T.C. Handy (MIT Press, Cambridge, 2005), pp. 209–227
84. M. Sokolova, N. Japkowicz, S. Szpakowicz, Beyond accuracy, F-score and ROC: a family of discriminant measures for performance evaluation, in *Proceeding of National Conference on Artificial Intelligence (AAAI)* (2006), pp. 1–6
85. S. Arndt, J.-N. Antons, R. Schleicher, S. Möller, G. Curio, Perception of low-quality videos analyzed by means of electroencephalography, in *Proceeding of International Workshop on Quality of Multimedia Experience (QoMEX)* (2012), pp. 284–289
86. L. Lindemann, S. Wenger, M. Magnor, Evaluation of video artifact perception using event-related potentials, in *Proceeding of ACM Applied Perception in Computer Graphics and Visualization (APGV)* (2011), pp. 53–58
87. H.-C. Li, J. Seo, K. Kham, S. Lee, Measurement of 3D visual fatigue using event-related potential (ERP): 3D oddball paradigm, in *Proceeding of 3DTV Conference* (2008), pp. 213–216
88. ITU-T Contribution COM 12–39, *Investigating the Subjective Judgment Process Using Physiological Data* (International Telecommunication Union, Geneva, 2013)
89. ITU-T Contribution COM 12–112, *Using Physiological Data for Assessing Variations of the Cognitive State Evoked by Quality Profiles* (International Telecommunication Union, Geneva, 2013)
90. ITU-T Recommendation P.810, *Modulated Noise Reference Unit (MNRU)* (International Telecommunication Union, Geneva, 1996)
91. R.C. Oldfield, The assessment and analysis of handedness: the Edinburgh inventory. *Neuropsychologia* **9**, 97–113 (1971)
92. A. Delorme, S. Makeig, EEGLAB: an open source toolbox for analysis of single-trial EEG dynamics. *J. Neurosci. Methods* **134**, 9–21 (2004)
93. A. Delorme, T. Mullen, C. Kothe, A.Z. Akalin, N. Bigdely-Shamlo, A. Vankov, S. Makeig, EEGLAB, SIFT, NFT, BCILAB, and ERICA: new tools for advanced EEG processing. *Computat. Intell. Neurosci.* **134**, 9–21 (2011)
94. R. Duda, P. Hart, D. Stork, *Pattern Classification* (Wiley, Hoboken, 2001)
95. J. Bortz, G.A. Lienert, K. Boehnke, *Methoden in der Biostatistik* (Springer, Heidelberg, 2008)
96. J. Bortz, *Statistik: Für Human- und Sozialwissenschaftler* (Springer, Heidelberg, 2005)
97. R. Schleicher, N. Galley, S. Briest, L. Galley, Blinks and saccades as indicators of fatigue in sleepiness warnings: looking tired? *Ergonomics* **51**(7), 982–1010 (2006)
98. A. Raake, *Speech Quality of VoIP: Assessment and Prediction* (Wiley, Hoboken, 2007)
99. D. Chan, A. Fourcin, D. Gibbon, B. Granstrom, M. Huckvale, G. Kokkinakis, K. Kvale, L. Lamel, B. Lindberg, A. Moreno, J. Mouropoulos, F. Senia, I. Trancoso, C. Veld, J. Zeiliger, EUROM—a spoken language resource for the EU, in *Proceeding of the 4th European Conference on Speech Communication and Speech Technology* (1995), pp. 867–870
100. T. Halmrast, Sound coloration from (very) early reflections. *J. Acoust. Soc. Am.* **109**(5), 2303 (2001)
101. P. Rubak, Coloration in room impulse responses, in *Proceeding of Joint Baltic-Nordic Acoustics Meeting (BNAM)* (2004), pp. 1–14
102. T. Falk, C. Zheng, W.-Y. Chan, A non-intrusive quality and intelligibility measure of reverberant and dereverberated speech. *IEEE Trans. audio Speech Lang. Process* **18**(7), 1766–1774 (2010)
103. ITU-T Recommendation P.56, *Objective Measurement of Active Speech Level* (International Telecommunication Union, Geneva, 2011)

104. P.J. Lang, Behavioral treatment and bio-behavioral assessment: computer applications, in *Technology in Mental Health Care Delivery Systems*, ed. by J. Sidowski, J. Johnson, T. Williams (Ablex Publishing Corporation, New York, 1980), pp. 119–137
105. T. Falk, Y. Pomerantz, K. Laghari, S. Möller, T. Chau, Preliminary findings on image preference characterization based on neurophysiological signal analysis: towards objective qoe modelling, in *Proceedings of International Workshop on Quality of Multimedia Experience (QoMEX)* (2012), pp. 146–147
106. ITU-T Recommendation P.880, *Continuous Evaluation of Time Varying Speech Quality* (International Telecommunication Union, Geneva, 2004)
107. N. Johanneson, The ETSI computation model: a tool for transmission planning of telephone networks. *IEEE Commun. Mag.* **35**(1), 70–79 (1997)
108. M. Wältermann, I. Tucker, A. Raake, S. Möller, Extension of the e-model towards super-wideband speech transmission, in *Proceeding of IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)* (2010), pp. 4654–4657
109. ITU-T Recommendation P.863, *Perceptual Objective Listening Quality Assessment* (International Telecommunication Union, Geneva, 2011)
110. ITU-T Recommendation P.862, *Perceptual Evaluation of Speech Quality (PESQ): An Objective Method for End-to-End Speech Quality Assessment of Narrow-Band Telephone Networks and Speech Codecs* (International Telecommunication Union, Geneva, 2001)
111. N. Cote, *Integral and Diagnostic Intrusive Prediction of Speech Quality* (Springer, Heidelberg, 2011)
112. ITU-T Recommendation P.862.2, *Wideband Extension to Recommendation P.862 for the Assessment of Wideband Telephone Networks and Speech Codecs* (International Telecommunication Union, Geneva, 2007)
113. B. Belmudez, B. Lewcio, S. Möller, Call quality prediction for audiovisual time-varying impairments using simulated conversational structures. *Acta Acustica United Acustica* **99**(5), 792–805 (2013)
114. S. Arndt, J.-N. Antons, R. Schleicher, S. Möller, G. Curio, Using electroencephalography to measure perceived video quality. *J. Sel. Top. Sign. Process* **8**(3), 366–376 (2014)
115. A.K. Porbadnigk, M.S. Treder, B. Blankertz, J.-N. Antons, R. Schleicher, S. Möller, G. Curio, K.-R. Müller, Single-trial analysis of the neural correlates of speech quality perception. *J. Neural Eng.* **10**(5), 1–20 (2013)
116. R. Schleicher, N. Galley, Continuous rating and psychophysiological monitoring of experienced affect while watching emotional film clips. *Int. J. Psychophysiol.* **46**(Suppl. 1), 51 (2009)
117. S. Möller, *Quality of Telephone-Based Spoken Dialogue Systems* (Springer, New York, 2005)
118. R. Schubert, S. Haufe, F. Blankenburg, A. Villringer, G. Curio, Now you'll feel it, now you won't: EEG rhythms predict the effectiveness of perceptual masking. *J. Cogn. Neurosci.* **21**(12), 2407–2419 (2009)
119. M. Vaalgamma, B. Belmudez, Audiovisual communication, in *Quality of Experience*, ed. by S. Möller, A. Raake. T-Labs Series in Telecommunication Services, ch. 14, 1st edn. (Springer, Cham, 2014), pp. 195–212
120. J. Beyer, S. Möller, Gaming, in *Quality of Experience*, ed. by S. Möller, A. Raake. T-Labs Series in Telecommunication Services, ch. 25, 1st edn. (Springer, Cham, 2014), pp. 367–381
121. D. Strohmeier, S. Egger, A. Raake, T. Hofeld, R. Schatz, Web browsing, in *Quality of Experience*, ed. by S. Möller, A. Raake. T-Labs Series in Telecommunication Services, ch. 22, 1st edn. (Springer, Cham, 2014), pp. 329–338
122. R. Eg, C. Griwodz, P. Halvorsen, D. Behne, Audiovisual robustness: exploring perceptual tolerance to asynchrony and quality distortion. *Multimedia Tools Appl.* **2014**, 1–21 (2014)
123. J. Gräske, H. Verbeek, P. Gellert, T. Fischer, A. Kuhlmeier, K. Wolf-Ostermann, How to measure quality of life in shared-housing arrangements? A comparison of dementia-specific instruments. *Qual. Life Res.* **23**(2), 549–559 (2014)
124. R. Roeser, M. Valente, H. Hosfort-Dunn, *Audiology Diagnosis* (Thieme, Stuttgart, 2007)

125. P. Wong, E. Skoe, N. Russo, T. Dees, N. Kraus, Musical experience shapes human brainstem encoding of linguistic pitch patterns. *Nature Neurosci.* **10**, 420–422 (2007)
126. R. Gupta, K. Laghari, S. Arndt, R. Schleicher, S. Möller, D. O’Shaughnessy, T. Falk, Using fNIRS to characterize human perception of tts system quality, comprehension, and fluency: preliminary findings, in *Proceeding of International Workshop on Perceptual Quality of Systems (PQS)* (2013), pp. 1–6