

## List of publications

### Peer Reviewed Publications:

1. S. Klockgether, S. van de Par, (2014), "A Model for the Prediction of Room Acoustical Perception Based on the Just Noticeable Differences of Spatial Perception," *Acta Acustica United with Acustica*, Vol. 100, pp. 964-971
2. E. Rasumow, M. Blau, M.H. Hansen, S. van de Par, S. Doclo, V. Mellert, D. Puschel, (2014), "Smoothing individual head-related transfer functions in the frequency and spatial domains," *J. Acoust. Soc. Am.*, Vol. 135, pp. 2012-2025
3. A. Kohlrausch, R. van Eijk, J.F. Juola, I. Brandt, S. van de Par, (2013), "Apparent causality affects perceived simultaneity," *Atten. Percept. and Psychophys.*, Vol. 75, pp. 1366-1373
4. R. Kruse, A. Häußler, S. van de Par, (2013), "An omnidirectional loudspeaker based on a ring-radiator," *Applied Acoustics*, Vol. 74 (12), pp. 1374-1377
5. E., Georganti, T. May, S. van de Par, J. Mourjopoulos, (2013), "Sound Source Distance Estimation in Rooms based on Statistical Properties of Binaural Signals," *IEEE Transactions on Audio, Speech, and Language Proc.*, Vol. 21 (8), pp. 1727-1741
6. A. Novello, S. van de Par, M.F. McKinney, A. Kohlrausch, (2013), "Algorithmic prediction of inter-song similarity in Western popular music," *Journal of New Music Research*, pp. 1-19
7. A. Josupeit, V. Hohmann, S. van de Par, (2012), Release from masking of low-frequency complex tones by high-frequency complex tone cue bands, *JASA Express Letters*, online first since Nov. 2012, pp. EL450-EL455
8. T. May, S. van de Par, A. Kohlrausch, (2012), "A Binaural Scene Analyzer for Joint Localization and Recognition of Speakers in the Presence of Interfering Noise Sources and Reverberation," *IEEE Transactions on Audio, Speech, and Language Proc.*, Vol. 20 (7), pp. 2016-2030
9. T. May, S. van de Par, A. Kohlrausch, (2012), "Noise-Robust Speaker Recognition Combining Missing Data Techniques and Universal Background Modeling," *IEEE Transactions on Audio, Speech, and Language Processing*, Vol. 20 (1) pp. 108-121
10. E. Georganti, T. May, S. van de Par, A. Harma, J. Mourjopoulos, (2011), "Speaker Distance Detection Using a Single Microphone," *IEEE Transactions on Audio, Speech, and Language Processing*, Vol. 19 (7), pp. 1949-1961
11. T. May, S. van de Par, A. Kohlrausch, (2011), "A Probabilistic Model for Robust Localization Based on a Binaural Auditory Front-End," *IEEE Transactions on Audio, Speech and Language Processing*, Vol. 19, pp. 1-13
12. R. van Eijk, A. Kohlrausch, J. Juola, S. van de Par, (2010), "Temporal order judgment criteria are affected by synchrony judgment sensitivity," *Attention, Perception, and Psychophysics*, Vol. 72, pp. 2227-2235

13. R. van Eijk, A. Kohlrausch, J. Juola, S. van de Par, (2009), "Temporal Interval Discrimination Thresholds Depend on Perceived Synchrony for Audio-Visual Stimulus Pairs," *J. of Exp. Psychology*, Vol. 35, pp. 1254-1263
14. T. Goossens, S. van de Par, A. Kohlrausch, (2009), "Gaussian-noise discrimination and its relation to auditory object formation," *J. Acoust. Soc. Am.*, Vol. 125, pp. 3882-3893
15. T. Goossens, S. van de Par, A. Kohlrausch, (2008), "On the ability to discriminate Gaussian noise tokens or random tone-burst complexes," *J. Acoust. Soc. Am.*, Vol. 124, pp. 2251-2262
16. N. H. van Schijndel, J. Bensa, M. Christensen, C. Colomes, B. Edler, R. Heusdens, J. Jensen, S. H. Jensen, W.B. Kleijn, V. Kot, B. Kövesi, J. Lindblom, D. Massaloux, O. Niamut, F. Norden, J. Plasberg, R. Vafin, S. van de Par, D. Virette, O. Wübbolt, (2008), "Adaptive RD Optimized Hybrid Sound Coding," *J. Audio Eng. Soc.*, Vol. 56, pp. 787-809
17. O. Schimmel, S. van de Par, A. Kohlrausch, J. Breebaart, (2008), "Sound segregation based on temporal envelope structure and binaural cues," *J. Acoust. Soc. Am.* Vol. 124, pp. 1130-1145
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19. G. Hotho, S. van de Par, and J. Breebaart, (2008), "Multichannel Coding of Applause Signals," *EURASIP Journal on Advances in Signal Processing* Volume 2008, Article ID 531693.
20. J. Breebaart, G. Hotho, J. Koppens, E. Schuijers, W. Oomen, S. van de Par, (2007), "Background, concept and architecture for the recent MPEG Surround standard on multi-channel audio compression," *J. Audio Eng. Soc.* Vol. 55, 331-351.
21. R. Heusdens, J. Jensen, W. B. Kleijn, V. Kot, O. A. Niamut, S. van de Par, N. H. van Schijndel, R. Vafin, (2006), "Bit-Rate Scalable Intraframe Sinusoidal Audio Coding Based on Rate-Distortion Optimization," *J. Audio Eng. Soc.*, Vol. 54(3), 167-188
22. M.G. Christensen, S. van de Par, (2006), "Efficient Parametric Coding of Transients," *IEEE Transactions on Audio, Speech and Language Processing*, Vol. 14(4), 1340-1351
23. S. van de Par, A. Kohlrausch, R. Heusdens, J. Jensen, S.H. Jensen, (2005), "A Perceptual Model for Sinusoidal Audio Coding Based on Spectral Integration," *EURASIP Journal on Applied Signal Processing*, Vol. 9, 1292–1304
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25. J. Breebaart, S. van de Par, A. Kohlrausch, (2002), "A time-domain binaural detection model and its predictions for temporal-resolution data," *Acta Acustica*, 88, 110-112.
26. J. Breebaart, S. van de Par, and A. Kohlrausch, (2001), "Binaural processing model based on contralateral inhibition. I. Model setup," *J. Acoust. Soc. Am.*, Vol. 110, 1074-1088.
27. J. Breebaart, S. van de Par, and A. Kohlrausch, (2001), "Binaural processing model based on contralateral inhibition. II. Dependence on spectral parameters," *J. Acoust. Soc.*

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29. S. van de Par, C. Trahiotis, and L.R. Bernstein, (2001) "A consideration of the normalization that is typically included in correlation-based models of binaural detection," *J. Acoust. Soc. Am.*, Vol. 109, pp. 830-833
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32. L.R. Bernstein, S. van de Par, and C. Trahiotis, (1999) "The normalized interaural correlation: Accounting for NoS $\pi$  thresholds obtained with Gaussian and 'low-noise' masking noise," *J. Acoust. Soc. Am.*, Vol. 106, pp. 870-876
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35. J. Breebaart, S. van de Par, and A. Kohlrausch, (1998) "Binaural signal detection with phase-shifted and time-delayed noise maskers," *J. Acoust. Soc. Am.*, Vol. 103, pp. 2079-2083
36. S. van de Par, and A. Kohlrausch, (1998) "Diotic and dichotic detection using multiplied-noise maskers," *J. Acoust. Soc. Am.*, Vol. 103, pp. 2100-2110
37. S. van de Par, and A. Kohlrausch, (1998) "Comparison of monaural (CMR) and binaural (BMLD) masking release," *J. Acoust. Soc. Am.*, Vol. 103, pp. 1573-1579
38. S. van de Par, (1998) "A comparison of binaural detection at low and high frequencies," Ph.D. thesis, Technical University of Eindhoven
39. M. van der Heijden, C. Trahiotis, A. Kohlrausch, and S. van de Par, (1997) "Binaural detection with spectrally non-overlapping signals and maskers: evidence for masking by aural distortion products," *J. Acoust. Soc. Am.*, Vol. 102, pp. 2966-2972
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43. S. van de Par, W.R.TH. ten Kate, A. Kohlrausch and A.J.M. Houtsma, (1994) "Bit-Rate Saving in Multichannel Sound: Using a Band-Limited Channel to Transmit the Center Signal", *J. Audio Eng. Soc.*, Vol. 42 No. 7/8, pp. 555-564

### **Book Chapters:**

1. A. Kohlrausch, S. van de Par, (2014), "Where mathematics and hearing science meet: Low peak factor signals and their role in hearing research," in *Acoustics, Information, and Communication*, Eds. Ning Xiang and Gerhard Sessler, Chapter 7, Springer
2. E. Georganti, T. May, S. van de Par, J. Mourjopoulos, (2013), "Extracting Sound-Source-Distance Information from Binaural Signals," in *The Technology of Binaural Listening*, Ed. Jens Blauert, pp. 171-199, Springer
3. T. May, S. van de Par, A. Kohlrausch, (2013), "Binaural Localization and Detection of Speakers in Complex Acoustic Scenes," in *The Technology of Binaural Listening*, Ed. Jens Blauert, pp. 397-425, Springer
4. S. van de Par, Bjoern Luebken, J.L. Verhey, A. Kohlrausch, (2013), "Off-frequency BMLD: the role of monaural processing," In *Basic Aspects of Hearing: Physiology and Perception*, Eds. Moore, Patterson, Winter, Carlyon, Gockel, in *Advances in Experimental Medicine and Biology*, Vol. 787, pp. 293-301
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6. N. Le Goff, A. Kohlrausch, J. Breebaart, S. van de Par, (2009), "Tone-in-noise detection: Observed discrepancies in spectral integration," In *Auditory Physiology, Perception and Models*, Proceedings of the 15<sup>th</sup> International Symposium on Hearing
7. A. Kohlrausch, S. van de Par, (2007), "On the use of specific signal types in hearing research," In *U. Parlitz, U. Kaatze, T. Kurtz (Ed.), Oscillations, waves, and interactions, sixty years drittes physikalisches institute, a festschrift.* (pp. 37-71) Gottingen: Universitatsverlag Göttingen.
8. S. van de Par, O. Schimmel, A. Kohlrausch, J. Breebaart, (2007), "Source segregation based on temporal envelope structure and binaural cues," In *Hearing – from basic research to applications*. Edited by B. Kollmeier, G. Klump, V. Hohmann, U. Langemann, M. Mauermann, S. Uppenkamp, and J. Verhey, Springer verlag, Heidelberg.
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10. A. Kohlrausch, S. van de Par, (2005), "Audio visual interaction in the context of multi-media applications," In *J. Blauert (Ed.), Communication Acoustics*. (pp. 109-138) Berlin: Springer.
11. S. van de Par, A. Kohlrausch, J. Breebaart, M. McKinney, (2004), "Discrimination of different temporal envelope structures of diotic and dichotic target signals within diotic wide-band noise," in *Auditory signal processing: physiology, psychoacoustics, and models*, edited by D. Pressnitzer, A. de Cheveigné, S. McAdams, L. Collet, Springer Verlag (New York)
12. J. Breebaart, S. van de Par, and A. Kohlrausch, (2001) "An explanation for the apparently wider critical bandwidth in binaural experiments," In *Physiological and Psychophysical Bases of Auditory Function*, Edited by D.J. Breebaart, A.J.M. Houtsma, A. Kohlrausch, V.F. Prijs, R. Schoonhoven pp. 153-160
13. D. Hermes, and S. van de Par, (2000) "Scientific approaches to sound design," *IPO Annual Progress Report 34*, pp. 78-85
14. S. van de Par, and A. Kohlrausch, (2000) "Integration of audio-visual patterns" In *D.G. Bouwhuis, F.L. Van Nes, A.J.M. Houtsma, R.N.J. Veldhuis (Eds.), IPO Annual Progress Report 34*. (pp. 94-102) Eindhoven: Eindhoven University Press.
15. A. Kohlrausch, J. Breebaart, S. van de Par, (1998) "The contribution of static and dynamic interaural differences to low-frequency BMLDs," in *Psychophysical and physiological advances in hearing, proceedings of the 11<sup>th</sup> international symposium on hearing*, edited by A.R. Palmer, A. Rees, A.Q. Summerfield, and R. Meddis, Whurr Publishers Ltd (London), pp. 426-432
16. J. Breebaart, S. van de Par, A. Kohlrausch, (1997) "Spectral integration in binaural signal detection", *IPO Annual Progress Report 32*
17. A. Kohlrausch, S. van de Par, and A.J.M. Houtsma, (1995). "A new approach to study binaural interaction at high frequencies," in *Advances in hearing research, proceedings of the 10th international symposium on hearing*, edited by G.A. Manley, G.M. Klump, C. Köppl, H. Fastl, and H. Oeckingshaus, World Scientific (Singapore), 343-353
18. S. van de Par and A. Kohlrausch, (1994) "Differences in binaural interaction at low and high frequencies", In *H. de Ridder (Ed.), IPO annual progress report 28*. (pp. 76-84) Eindhoven: University of Technology.

### **Conference papers and abstracts:**

1. D. Reed, S. van de Par, (2014), "Characterization of Binaural Modulation Perception," Presented at the Forum Acusticum, Krakow, Poland
2. J. Grosse, S. van de Par, (2014), "Perceptually Optimized Room-in-room Sound Reproduction with Spatially Distributed Loudspeakers," Presented at the 22<sup>nd</sup> European Signal Processing Conference (EUSIPCO) in Lisbon - Portugal
3. J. Thiemann, M. Müller, S. van de Par, (2014), "A Binaural Hearing Aid Speech Enhancement Method Maintaining Spatial Awareness for the User," Presented at the 22<sup>nd</sup> European Signal Processing Conference (EUSIPCO) in Lisbon - Portugal

4. E. Georganti, J. Mourjopoulos, S. van de Par, (2014) "Room statistics and direct-to-reverberant ratio estimation from dual-channel signals", in Proc. of the IEEE ICASSP, Florence, Italy
5. J. Thiemann, S. van de Par, (2014), "Using Computational Auditory Scene Analysis to Enhance the Performance of Assistive Hearing Devices," Presented at the 48<sup>th</sup> Biomedical Technology Conference, in Hannover
6. C. Mendonça, M. Hiipakka, S. van de Par, H. Colonius, (2014) "Adaptation to Non-Individualized Spatial Sound Through Audiovisual Experience," Presented at the 55<sup>th</sup> AES conference on Spatial Audio in Helsinki
7. C. Mendonça, S. van de Par, H. Colonius, A. Escher, (2014), "Recalibration of auditory space following sequences of multisensory events," 15th International Multisensory Research Forum (IMRF), Amsterdam, The Netherlands
8. B. Luebken, S. van de Par, J.L. Verhey, (2014), "The role of modulation processing in binaural masking-patterns," Presented at the Acoust. Soc. Am. Conference, Providence, USA
9. E. Schoenmaker, S. van de Par, (2014), "Quantifying the better ear advantage in the presence of interfering speech," Presented at the Acoust. Soc. Am. Conference, Providence, USA
10. D. Reed, S. van de Par, (2014), "Rapid binaural processing for source segregation and lateralization," Presented at the Acoust. Soc. Am. Conference, Providence, USA
11. S. Klockgether, S. van de Par, (2014), "Influence of manipulated early reflections on room acoustical perception," Presented at the Acoust. Soc. Am. Conference, Providence, USA
12. H. Sukowski, S. van de Par, (2014), "Noise effects on reading and attention: Investigating the role of the chosen test procedure," *11<sup>th</sup> International Congress on Noise as a Public Health Problem*, Nara, Japan
13. S. Klockgether, S. van de Par, (2014), "A Model for the Prediction of Room Acoustical Perception based on the Just Noticeable Differences of Spatial Perception," *EAA Symposium on Auralization*, Berlin, appeared as full paper in *Acta Acustica united with Acustica*
14. J. Grosse, S. van de Par, (2014), "Perceptual optimization of room-in-room reproduction with spatially distributed loudspeakers," *EAA Symposium on Auralization*, Berlin
15. T. Wendt, S. van de Par, S. Ewert, (2014), "Perceptual and room acoustical evaluation of a computational efficient binaural room impulse response simulation method," *EAA Symposium on Auralization*, Berlin
16. E. Rasumow, M. Blau, M. Hansen, S. Doclo, S. van de Par, V. Mellert, D. Püschel, (2014), "The Impact of the White Noise Gain (WNG) of a Virtual Artificial Head on the Appraisal of Binaural Sound Reproduction," *EAA Symposium on Auralization*, Berlin
17. E. Rasumow, M. Blau, S. Doclo, M. Hansen, S. van de Par, D. Püschel, V. Mellert, (2014), "Individualized binaural reproduction using a virtual artificial head," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg

18. A. Oetjen, S. van de Par, J.L. Verhey, R. Weber, U. Letens, (2014), "Berechnung der zeitabhängigen Rauigkeit bei Motorgeräuschen," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg
19. J. Grosse, S. van de Par, (2014), "Perzeptive Optimierung einer Raum-in-Raum Wiedergabe mit räumlich verteilten Lautsprechern," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg
20. T. Wendt, S. van de Par, S.D. Ewert, (2014), "Efficient synthesis of perceptually plausible binaural room impulse responses," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg
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22. N. Podlaszewski, V. Mellert, S. van de Par, (2014), "Aufbau und Optimierung eines einfachen Mikrofonarrays zur Erzeugung individueller HRTFs," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg
23. H. Sukowski, S. van de Par, (2014), "Reading in a noisy environment: Are test principles realized in a reading test procedure for children also useful in studies with adults?," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg
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25. A. Häußler, S. van de Par, (2014), "Psychoakustische Untersuchung zum Einfluss des Aufnahme- und Wiedergaberaums," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg
26. S. Klockgether, S. van de Par, (2014), "Influence of the manipulation of interaural cross-correlation on room acoustical perception," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg
27. A. Escher, S. van de Par, R. Weber, (2014), "Perzeptiver Ansatz zur Bestimmung der "Verzerrungsreserve" eines Lautsprechers," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg
28. J. Thiemann, E. Vincent, S. van de Par, (2014), "Spatial Properties of the DEMAND Noise Recordings," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg
29. D. Maiberger, H. Sukowski, S. van de Par, (2014), "Development of a perception-based model for dissonance prediction," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg
30. S. Gündert, S. van de Par, M. Bellmann, (2014), "Empirische Modellierung zur Prädiktion von Hydroschallimmissionen durch Impulsrammung von Fundamentstrukturen für Offshore-Windenergieanlagen," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg
31. B. Lübken, S. van de Par, J.L. Verhey, (2014), "Einfluss von Modulationswahrnehmung auf den binauralen Gewinn bei Verdeckungsmustereperimenten," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg

32. E. Schoenmaker, T. Brand, S. van de Par, (2014), "The relative contributions of better ear listening and binaural masking level differences in a cocktail party: Experiment and model predictions," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg
33. D. K. Reed, S. van de Par, (2014), "Temporal Resolution of the Binaural System for Lateralizing Purely Binaural Modulations," DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg
34. H. Sukowski, R. Kühler, S. van de Par, R. Weber, (2013), "Perceived quality of the interior sounds in electric and conventional motor vehicles," *Internoise*, Innsbruck, Austria
35. E. Schoenmaker, S. van de Par, (2013), "Auditory streaming in cocktail parties and the extent of binaural benefit," *21<sup>st</sup> International Congress on Acoustics, 165<sup>th</sup> Conference of the Acoust. Soc. Am., Montreal*, Vol. 133, pp. 3513
36. E. Rasumow, M. Blau, S. Doclo, M. Hansen, S. van de Par, D. Püschel, V. Mellert, (2013), "Least squares versus non-linear cost functions for a virtual artificial head," *21<sup>st</sup> International Congress on Acoustics, 165<sup>th</sup> Conference of the Acoust. Soc. Am., Montreal*, Vol. 133, pp. 3525
37. D. Reed, S. van de Par, (2013), "Lateralization of noise targets with interaural level differences presented within a noise interferer," *21<sup>st</sup> International Congress on Acoustics, 165<sup>th</sup> Conference of the Acoust. Soc. Am., Montreal*, Vol. 133, pp. 3513
38. F. Brinkmann, A., Lindau, S. Weinzierl, G. Geissler, S. van de Par, (2013), "A high resolution head-related transfer function database including different orientations of head above the torso," DAGA 2013, 39. Jahrestagung für Akustik, Associazione Italiana di Acustica, Meran
39. J. Grosse, S. van de Par, R. Weber, (2013), "Measurements and model predicts of detection thresholds for a conventional and electric vehicle in traffic and pink noise," DAGA 2013, 39. Jahrestagung für Akustik, Associazione Italiana di Acustica, Meran
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41. S. Klockgether, S. van de Par, (2013), "Just Noticeable Differences of Spatial Perception in Directly Manipulated Binaural Room Impulse Responses," DAGA 2013, 39. Jahrestagung für Akustik, Associazione Italiana di Acustica, Meran
42. E. Rasumow, M. Blau, S. van de Par, M. Hansen, S. Doclo, D. Püschel, V. Mellert, (2013), "Subjective importance of individual HRTF phase," DAGA 2013, 39. Jahrestagung für Akustik, Associazione Italiana di Acustica, Meran
43. A. Oetjen, U. Letens, S. van de Par, J. Verhey, R. Weber, (2013), "Roughness calculation for randomly modulated sounds," DAGA 2013, 39. Jahrestagung für Akustik, Associazione Italiana di Acustica, Meran
44. C. Imbery, T. Biberger, S. van de Par, R. Weber, (2013), "Influence of vibration on physiological and subjective reactions to vibro-acoustic stimuli," DAGA 2013, 39. Jahrestagung für Akustik, Associazione Italiana di Acustica, Meran



45. A. Josupeit, S. van de Par, N. Kopco, V. Hohmann, "Modeling of Speech Localization in a Multitalker Environment using Binaural and Harmonic Cues," DAGA 2013, 39. Jahrestagung für Akustik, Associazione Italiana di Acustica, Meran
46. T. May, S. van de Par, (2012), "Blind Estimation of the Number of Speech Sources in Reverberant Multisource Scenarios based on Binaural Signals," International Workshop on Acoustic Echo and Noise Control (IWAENC), Aachen, Germany, Sep. 2012.
47. E. Rasumow, M. Blau, M. Hansen, S. Doclo, S. Van De Par, D. Puschel, V. Mellert, (2012), "Smoothing head-related transfer functions for a virtual artificial head," for Acoustics2012, Nantes, France
48. A. Josupeit, S. van de Par, V. Hohmann, (2012), "Computational auditory scene analysis based on fundamental frequency and binaural information," DAGA 2012, 38. Jahrestagung für Akustik, Darmstadt
49. S. Weinzierl, A. Lindau, K. Brandenburg, D. deVries, H.-J. Maempel, S. van de Par, B. Rafaely, S. Spors, M. Vorländer, (2012), "The SEACEN project," DAGA 2012, 38. Jahrestagung für Akustik, Darmstadt
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**Invited presentations – Invited participation in workshop panel:**

1. H. Sukowski, R. Kühler, S. van de Par, R. Weber, (2014), "Development and Application of a New Adjective List for the Assessment of Interior Sounds of Electric Vehicles," Presented at the Forum Acusticum, Krakow, Poland
2. D. Reed, S. van de Par, (2014), "Limited Effect of Binaural Modulation on Monaural Modulation Sensitivity," Presented at the Forum Acusticum, Krakow, Poland
3. D. Reed, A. Josupeit, S. van de Par, (2014), "Rapid binaural processing for source segregation and lateralization," Presented at the Acoust. Soc. Am. Conference, Providence, USA
4. S. Klockgether, J. van Dorp Schuitman, S. van de Par, (2013), "Perceptual limits for detecting interaural-cue manipulations measured in reverberant settings," *21<sup>st</sup> International Congress on Acoustics, 165<sup>th</sup> Conference of the Acoust. Soc. Am., Montreal*, Vol. 133, pp. 3224
5. J. Grosse, R. Weber, S. van de Par, (2013), "Comparison of detection threshold measurements and modeling for approaching electric cars and conventional cars presented in traffic and pink noise," *21<sup>st</sup> International Congress on Acoustics, 165<sup>th</sup> Conference of the Acoust. Soc. Am., Montreal*, Vol. 133, pp. 3598
6. S. van de Par, (2012), "Binaural processing of complex stimuli," Groningen-Oldenburg Research Seminar (19.10.2012), Groningen
7. S. van de Par, A. Kohlrausch, A. Josupeit, (2011), "Temporal information processing in the binaural auditory system," Dreiländertagung Binaurales Hören mit Hörgeräten und Cochleaimplantaten, (28-29 Sept.) Vienna



8. T. May, S. van de Par and A. Kohlrausch, (2011), "Simultaneous localization and identification of speakers in noisy and reverberant," In Proceedings of the *Forum Acusticum*, Aalborg, Denmark
9. S. van de Par, A. Kohlrausch, (2011), "Auditory and visual object selection based on cross-modal temporal cues," DEGA Workshop des FA Hörakustik Multi-sensorische Wahrnehmung (4-5 Feb.), Bergischen Universität Wuppertal
10. A. Kohlrausch, R. van Eijk, I. Brandt, S. van de Par, J. Juola, (2011), "Einfluss der Stimuluscharakteristik auf audio-visuelle Synchroniewahrnehmung," DEGA Workshop des FA Hörakustik Multi-sensorische Wahrnehmung (4-5 Feb.), Bergischen Universität Wuppertal
11. S. van de Par, (2010), "New developments and results in psychoacoustic modeling," for the First Forum of Young Researchers in Acoustics EAA summerschool in Ljubljana, Slovenia
12. S. van de Par, J. Koppens, A. Kohlrausch, W. Oomen, (2008), "An efficient masking model for audio coding exploiting spectro-temporal masking," for the joint *Forum Acusticum and Acoust. Soc. Am. Meeting*, Paris.
13. S. van de Par, A. Kohlrausch, O. Schimmel, and J. Breebaart, (2007.06.04), "Contribution of monaural envelope cues to binaural sound lateralization and segregation," presented at the *Active Listening Seminar*.
14. S. van de Par, (2005.10.27), "The use of auditory perception models in industry," presentation for *Copenhagen Image and Signal Processing Graduate School*.
15. S. van de Par, (2005.04.20), "Rate-distortion optimisation in audio coding using a perceptual distortion Measure," Presented at the first annual IEEE BENELUX/DSP Valley Signal Processing Symposium, Antwerpen, Invited Paper 004.
16. S. van de Par, A. Kohlrausch, J. Juola (2004.4.12), "Some methodological aspects of measuring the point of subjective equality in audio-visual stimuli," *Workshop on Auditory and Multimodal Attention and Perceptual Organization*, NTT Atsugi R&D Center, Japan.
17. S. van de Par, A. Kohlrausch (2004.4.8), "Visual and auditory object selection based on temporal correlations between auditory and visual cues," *International Conference on Acoustics*, Kyoto, Japan
18. S. van de Par (2003.02.05), "Psycho-akoestische aspecten bij digitalisering van audiosignalen," For *Dutch Section of the Audio Engineering Society*, Leidschendam
19. S. van de Par, J. Breebaart (2002.8.12), "Cross correlation versus equalization cancellation based binaural displays," *International Workshop on "Binaural Hearing at Cocktail Parties"*, Delmenhorst, Germany.
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2. S. van de Par, A. Kohlrausch (2009.4.2), "Hearing scientists in multimedia and consumer electronic development," for the European career workshop for PhD students in hearing research, 2-3 April 2009, Institute of Hearing Research, Nottingham
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