

Researchers



Research Portal of the TU Dresden

[Home](#) > [RESEARCHERS](#) > [MEHMET ERCAN ALTINSOY](#) > [RELATED RESEARCH OUTPUT](#)

Prof. Dr.-Ing. habil. Mehmet Ercan Altinsoy

Contributors

Affiliations

[Chair of Acoustics and Haptics](#) - *Academic Staff*

ercan.altinsoy@tu-dresden.de



Select page size:

Sort by:

Order:

Asc. Desc.

238 Research output

2022

> [A Complementary Effect in Active Control of Powertrain and Road Noise in the Vehicle Interior](#)

Published

[Kim, S.](#) & [Altinsoy, M. E.](#), 2022, In: [IEEE access](#). PP, 99, p. 1-1 1 p., 9729696.

Research output: Contribution to journal › Research article › Contributed › peer-review

> [Simulation des Einflusses von Materialparametern auf das Schwingungsverhalten einer Gitarrendecke](#)

Published

[Merchel, S.](#), Zenker, B., [Altinsoy, M. E.](#) & Olson, D., 2022, *Proceedings of DAGA 2022 - 48th German Annual Conference on Acoustics*.

Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed

2021

> [Preliminary study of upper-body haptic feedback perception on cinematic experience](#)

Published

Alma, U. A., [Romeo, P. A.](#) & [Altinsoy, M. E.](#), 1 Oct 2021, *Proceedings of the IEEE International Workshop on Multimedia Signal Processing (MMSP)*.

Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed › peer-review

- › **Vibrotaktile Wahrnehmungsschwelle für Vibrationen im Kinnbereich im Kontext von Violinen** Published
- [Beyer, F.](#) & [Altinsoy, E. M.](#), 1 Sep 2021
Research output: Book/Report/Anthology › Anthology › Contributed
- › **Groovuator – A haptic feedback system to improve musical interaction between a drummer and a bass guitar player** Published
- Dehmelt, K., [Romeo, P. A.](#) & [Altinsoy, M. E.](#), 1 Aug 2021, *Proceedings of the German Annual Conference on Acoustics (DAGA)*.
Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed
- › **Preliminary study of the influence of skin stretching in force perception** Published
- [Romeo, P. A.](#) & [Altinsoy, M. E.](#), 1 Aug 2021, *Proceedings of the German Annual Conference on Acoustics (DAGA)*.
Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed
- › **Passively actuated clutch for enhanced backdrivability in bidirectional kinesthetic feedback applications** Published
- [Romeo, P. A.](#) & [Altinsoy, M. E.](#), 1 Jul 2021, *Proceedings of the World Haptics Conference (WHC)*.
Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed › peer-review
- › **A comparison-based study of annoyance and psychoacoustic parameters of motorcycle noise emission** Published
- Samani, O., Martius, A. & [Altinsoy, M. E.](#), 2021, In: "Advances in Acoustics, Noise and Vibration - 2021" Proceedings of the 27th International Congress on Sound and Vibration, ICSV 2021.
Research output: Contribution to journal › Conference article › Contributed › peer-review

› **Advantages and Challenges of Online Listening Tests for Sound Quality Studies**

Published

[Atamer, S.](#), [Altinsoy, E.](#) & Zhang, Y., 2021, *DAGA 2021 - 47th German Annual Conference on Acoustics*.

Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed

› **Annoyance and sportiness perception of the acceleration sound by the driver and passengers**

Published

[Kim, S.](#) & [Altinsoy, M. E.](#), 2021, In: *Journal of the Acoustical Society of Korea*. 40, 6, p. 566-570 5 p.

Research output: Contribution to journal › Research article › Contributed › peer-review

› **Effects of speed and road condition on annoyance caused by motorcycle noise emission**

Published

Samani, O., Martius, A. & [Altinsoy, M. E.](#), 2021, *Proceedings of INTER-NOISE 2021 - 2021 International Congress and Exposition of Noise Control Engineering*. Dare, T., Bolton, S., Davies, P., Xue, Y. & Ebbitt, G. (eds.). The Institute of Noise Control Engineering of the USA, Inc., (Proceedings of INTER-NOISE 2021 - 2021 International Congress and Exposition of Noise Control Engineering).

Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed › peer-review

› **Frequency dependence of vertical whole-body vibration perception - is your car rattling or humming?**

Published

Schwendicke, A. & [Altinsoy, M. E.](#), 2021, *Internoise 2021*.

Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed

› **Improved Directivity of Flat Panel Loudspeakers by Minimizing the Off-Axis Radiation below Coincidence**

Published

Zenker, B., Schurmann, R., [Merchel, S.](#) & [Altinsoy, M. E.](#), 2021, In: *Applied sciences*. 11, 15

Research output: Contribution to journal › Research article › Contributed › peer-review

› **Kinderleicht greifen - angepasste haptische Eingabe für Kinder und Jugendliche** Published

Schwendicke, A., Winger, H., Wieczorek, F., Lüneburg, L., Bobbed, T. & [Altinsoy, M. E.](#), 2021, *DAGA 2021 - 47th German Annual Conference on Acoustics*. Wien, Austria
Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed

› **Localization Masking - Reducing the Influence of the Direct Sound on Localization in Sound Projection by the Additional Generation of One or More Leading Sounds** Published

[Wühle, T.](#), [Merchel, S.](#) & [Altinsoy, M. E.](#), 2021, In: *Journal of the Audio Engineering Society*. 69, 9, p. 683-693 11 p.
Research output: Contribution to journal › Research article › Contributed › peer-review

› **Mapping the Sensory-Perceptual Space of Vibration for User-Centered Intuitive Tactile Design** Published

[Rosenkranz, R.](#) & [Altinsoy, M. E.](#), 2021, *2021 IEEE World Haptics Conference (WHC)*. Montreal, Canada
Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Invited › peer-review

› **Mapping the Sensory-Perceptual Space of Vibration for User-Centered Intuitive Tactile Design** Published

[Rosenkranz, R.](#) & [Altinsoy, M. E.](#), 2021, In: *IEEE Transactions on Haptics*. 14, 1, p. 95-108 14 p.
Research output: Contribution to journal › Research article › Contributed › peer-review

› **Noise perception assessment in urban green spaces using soundwalk approach** Published

Samani, O., Zapf, V. & [Altinsoy, M. E.](#), 2021, *Proceedings of INTER-NOISE 2021 - 2021 International Congress and Exposition of Noise Control Engineering*. Dare, T., Bolton, S., Davies, P., Xue, Y. & Ebbitt, G. (eds.). The Institute of Noise Control Engineering of the USA, Inc., (Proceedings of INTER-NOISE 2021 - 2021 International Congress and Exposition of Noise Control Engineering).

Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed › peer-review

› **Quantifizierung erwarteter taktiler Eigenschaften ohne Vibrationsdarbietung für taktilen Design** Published

[Rosenkranz, R.](#) & [Altinsoy, M. E.](#), 2021, *DAGA 2021 - 47th German Annual Conference on Acoustics*. Wien, Austria

Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed

› **Sound quality of dishwashers: Annoyance perception** Published

[Atamer, S.](#) & [Altinsoy, M. E.](#), 2021, In: *Applied Acoustics*. 41, 1, p. 369-372 4 p.

Research output: Contribution to journal › Research article › Contributed

› **Vergleich von Schall und Sitzschwingungen in verschiedenen Fahrzeugtypen hinsichtlich ihrer Wahrnehmung** Published

[Maravich, M. M.](#) & [Altinsoy, M. E.](#), 2021, *DAGA 2021 - 47th German Annual Conference on Acoustics*.

Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed

2020

› **The Suitability of Texture Vibrations Based on Visually Perceived Virtual Textures in Bimodal and Trimodal Conditions**

Alma, U. A. & [Altinsoy, E.](#), 24 Sep 2020, *2020 IEEE 22nd International Workshop on Multimedia Signal Processing (MMSP)*. IEEE Press, p. 1-5 5 p. 9287066
Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed › peer-review

› **Design of a bidirectional tendon-based actuation module for kinaesthetic finger feedback with a tendonlength adjustment mechanism**

Published

[Romeo, P. A.](#) & [Altinsoy, M. E.](#), 1 Sep 2020

Research output: Other contribution › Other › Contributed › peer-review

› **Effect of Auditory Feedback on Tactile Intensity Perception in a Touchscreen Application**

Published

Won, H-I. & [Altinsoy, M. E.](#), 1 Jun 2020, In: *IEEE Transactions on Haptics*. 13, 2, p. 343-353 11 p., 8869820.

Research output: Contribution to journal › Research article › Contributed › peer-review

› **Structure-integrated loudspeaker using fiber-reinforced plastics and piezoelectric transducers - Design, manufacturing and validation**

Published

Zenker, B., Dannemann, M., Geller, S., Holeczek, K., Weißenborn, O., [Altinsoy, M. E.](#) & Modler, N., 16 May 2020, In: [Applied Sciences \(Switzerland\)](#). 10, 10, 3438.

Research output: Contribution to journal › Research article › Contributed › peer-review

› **Design and development of an actuation module with a tendon-based transmission for bidirectional force feedback on one finger joint**

Published

[Romeo, P. A.](#) & [Altinsoy, M. E.](#), 1 Mar 2020, *Proceedings of the German Annual Conference on Acoustics (DAGA)*.

Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed

> Annoyance Perception of Dishwasher Noise

Published

[Atamer, S.](#) & [Altinsoy, E.](#), 2020, *DAGA 2020 - 46th German Annual Conference on Acoustics*.

Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed

> Begreifen -- Wie unabhängig arbeiten unsere Finger wirklich

Published

Schwendicke, A., Winger, H., Wieczorek, F. & [Altinsoy, M. E.](#), 2020, p. 399-401. 3 p.

Research output: Contribution to conferences › Paper › Contributed

> Charakterisierung von flächigen Schallabsorbern auf Basis von natürlichen Vliesstoffstrukturen

Published

Ruiz, R., Eduardo, A., Klochkova-Schiefer, M., Natzschka, T., [Merchel, S.](#), Haase, E., Krzywinski, S. & [1 others](#), , 2020, p. 882-885. 4 p.

Research output: Contribution to conferences › Paper › Contributed

> Design and development of an actuation module with a tendon-based transmission for bidirectional force feedback on one finger joint

Published

[Alvarez-Romeo, P.](#) & [Altinsoy, M. E.](#), 2020.

Research output: Contribution to conferences › Paper › Contributed

> Detailanalyse von DE-Rollenaktoren für Lautsprecherantriebe

Published

Bakardjiev, P., Franke, M., Marschner, U., Richter, A. & [Altinsoy, M. E.](#), 2020.

Research output: Contribution to conferences › Paper › Contributed

> Effect of tonality in loudness perception: Vacuum cleaner and shaver examples

Published

[Atamer, S.](#) & [Altinsoy, M. E.](#), 2020, In: *Acoustical Science and Technology*. 41, 1, p. 369-372 4 p.

Research output: Contribution to journal › Research article › Contributed

- › **Einfuss der Materialdämpfung auf den Klang verschiedener DML-Membranen** Published
Vater, A., Zenker, B., [Merchel, S.](#) & [Altinsoy, M. E.](#), 2020.
Research output: Contribution to conferences › Paper › Contributed
- › **Improved Sound Radiation of Flat Panel Loudspeakers Using the Local Air Spring Effect** Published
Zenker, B., Schurmann, R., [Merchel, S.](#) & [Altinsoy, M. E.](#), 2020, In: [Applied sciences](#). 10, 24
Research output: Contribution to journal › Research article › Contributed › peer-review
- › **Influence of an artificially produced stationary sound of electrically powered vehicles on the safety of visually impaired pedestrians** Published
[Steinbach, L.](#) & [Altinsoy, M. E.](#), 2020, In: [Applied Acoustics](#).
Research output: Contribution to journal › Research article › Contributed › peer-review
- › **Lästigkeit bei gleichzeitiger Exposition von Schall und Schwingungen** Published
[Maravich, M. M.](#) & [Altinsoy, M. E.](#), 2020.
Research output: Contribution to conferences › Paper › Contributed
- › **Low-frequency performance of a woofer-driven flat-panel loudspeaker (Part 2: Numerical system optimization and large signal analysis)** Published
Zenker, B., Heini, M., [Merchel, S.](#) & [Ercan Altinsoy, M.](#), 2020.
Research output: Contribution to conferences › Paper › Contributed › peer-review
- › **Multimodale Inspektion von Textilien als Beitrag zur fortschreitenden Digitalisierung – Digitale Haptik** Published
[Altinsoy, E.](#), Alma, A., Pietsch, K., Krzywinski, S., Lachmann, M., Braune, A., Martin, C. & [2 others](#), , 2020, <https://textile-network.de/de/Forschung-Entwicklung/Institut-fuer-Textilmaschinen-und-Textile-Hochleistungswerkstofftechnik-TU-Dresden/Multimodale-Inspektion-von-Textilien-als-Beitrag-zur-fortschreitenden-Digitalisierung-Digitale-Haptik> (11.06.2020).
Research output: Contribution to book/conference proceedings/anthology/report › Chapter in book/anthology/report › Contributed

- **Optimization of the Aspect Ratio and Material Parameters of a DML Membrane** Published
- Rawoof, S. S. A., Zenker, B., [Merchel, S.](#) & [Altinsoy, M. E.](#), 2020.
Research output: Contribution to conferences › Paper › Contributed
- **Optimized Radiation Pattern and Time Response of Flat Panel Loudspeakers due to the Specific Damping of the Boundary Conditions** Published
- Zenker, B., [Merchel, S.](#) & [Altinsoy, M. E.](#), 2020.
Research output: Contribution to conferences › Paper › Contributed
- **Psychophysical comparison of the auditory and tactile perception: a survey** Published
- [Merchel, S.](#) & [Altinsoy, M. E.](#), 2020
Research output: Other contribution › Other › Contributed › peer-review
- **Realisierung eines Schallprojektors mit verbessertem Abstrahlverhalten im hohen Frequenzbereich** Published
- [Wühle, T.](#), [Beyer, F.](#), Bulla, L., [Merchel, S.](#) & [Altinsoy, M. E.](#), 2020.
Research output: Contribution to conferences › Paper › Contributed
- **Reproduktion von Texturen basierend auf visuellen Informationen eines Touch-Display** Published
- Alma, A. & [Altinsoy, E.](#), 2020.
Research output: Contribution to conferences › Paper › Contributed
- **Stationär-Geräusch von elektrisch angetriebenen Fahrzeugen – Einfluss eines künstlich erzeugten Stationär-Geräuschs von elektrisch angetriebenen Fahrzeugen auf die Sicherheit von schwächeren Verkehrsteilnehmern** Published
- [Altinsoy, E.](#), Lachmann, M., [Rosenkranz, R.](#) & [Steinbach, L.](#), 2020, In: Berichte der Bundesanstalt für Straßenwesen, Fahrzeugtechnik. 2020 , 134
Research output: Contribution to journal › Research article › Invited

- › **Taktiler Design: Übersetzung von Nutzererwartungen in Vibrationen zur Gestaltung von plausiblen virtuellen Umgebungen** Published
- [Rosenkranz, R.](#) & [Altinsoy, M. E.](#), 2020.
Research output: Contribution to conferences › Paper › Contributed
- › **Upper Frequency Limit of Flat Panel Loudspeakers - Evaluation of the Voice Coil Break-Up Modes** Published
- Zenker, B., [Merchel, S.](#) & [Altinsoy, M. E.](#), 2020.
Research output: Contribution to conferences › Paper › Contributed › peer-review
- › **Vergleich von Modellen zur Simulation von Lautsprechern in linearen Arrays unter Berücksichtigung des Richtverhaltens realer Lautsprecher** Published
- [Beyer, F.](#), [Wühle, T.](#), [Merchel, S.](#) & [Altinsoy, M. E.](#), 2020.
Research output: Contribution to conferences › Paper › Contributed
- › **Vermeidung von Overfitting bei der Vorhersage von subjektiven Tonalitätsbewertungen auf Basis künstlicher neuronaler Netze mit kleinen Trainingsmengen** Published
- Holzhäuser, T., [Rosenkranz, R.](#) & [Altinsoy, M. E.](#), 2020.
Research output: Contribution to conferences › Paper › Contributed
- › **Vibroakustische Beats - Durch Ganzkörperschwingungen hervorgerufene akustische Reize** Published
- Schwendicke, A., Reichmann, F. & [Altinsoy, M. E.](#), 2020, p. 766-769. 4 p.
Research output: Contribution to conferences › Paper › Contributed
- › **Wie unterscheidet sich die Reaktion von Passanten bei Vorhandensein oder Fehlen eines Stationär-Geräuschs?** Published
- [Steinbach, L.](#) & [Altinsoy, M. E.](#), 2020.
Research output: Contribution to conferences › Paper › Contributed

2019

- › **Perceived Roughness of Band-Limited Noise, Single, and Multiple Sinusoids Compared to Recorded Vibration*** Published
- Alma, U. A. & [Altinsoy, E.](#), 12 Jul 2019, *2019 IEEE World Haptics Conference (WHC)*. IEEE Press, p. 337-342 6 p. 8816163
Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed › peer-review
- › **Tactile Design: Translating User Expectations into Vibration for Plausible Virtual Environments*** Published
- [Rosenkranz, R.](#) & [Altinsoy, M. E.](#), 12 Jul 2019, *2019 IEEE World Haptics Conference (WHC)*. IEEE Press, p. 307-312 6 p. 8816177
Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed › peer-review
- › **DrumEverywhere – Ein augmented reality drumkit mit Pure Data** Published
- [Merchel, S.](#), Peetz, A., Ankermann, S., Ridder, V. & [Altinsoy, M. E.](#), 2019.
Research output: Contribution to conferences › Paper › Contributed
- › **Improved Linear Network Models of Air Filled Tubes, Slits and Cavities** Published
- Bakardjiev, P., Voigt, A., Marschner, U., [Altinsoy, M. E.](#) & Richter, A., 2019, In: [Acta Acustica united with Acustica](#). 1, p. 174-182 9 p.
Research output: Contribution to journal › Research article › Contributed › peer-review
- › **Influence of tonewood parameters on the perceived sound quality of a steel-string acoustic guitar** Published
- [Merchel, S.](#), Olson, D. & [Altinsoy, E.](#), 2019.
Research output: Contribution to conferences › Paper › Contributed
- › **Low Deviation and High Sensitivity—Optimized Exciter Positioning for Flat Panel Loudspeakers by Considering Averaged Sound Pressure Equalization** Published
- Zenker, B., Rawoof, S. S. A., [Merchel, S.](#) & [Altinsoy, M. E.](#), 2019.
Research output: Contribution to conferences › Paper › Contributed › peer-review

- › **Multimodale Inspektion von Textilien als Beitrag zur fortschreitenden Digitalisierung – Digitale Haptik** Published
- Krzywinski, S., Pietsch, K., [Altinsoy, M. E.](#), Alma, A., Lachmann, M., Braune, A., Martin, C. & 2 others, , 2019, 4 p.
Research output: Other contribution › Other › Contributed
- › **Optimized Exciter Positioning Based on Acoustic Power of a Flat Panel Loudspeaker** Published
- Zenker, B., Rawoof, S. S. A., [Merchel, S.](#) & [Altinsoy, M. E.](#), 2019.
Research output: Contribution to conferences › Paper › Contributed › peer-review
- › **Perceived Roughness of Single Sinusoid Compared to Recorded Vibration** Published
- Alma, A. & [Altinsoy, E.](#), 2019.
Research output: Contribution to conferences › Paper › Contributed
- › **Perception of auditory events in scenarios with projected and direct sound from various directions** Published
- [Wühle, T.](#), [Merchel, S.](#) & [Altinsoy, M. Ercan](#), 2019.
Research output: Contribution to conferences › Paper › Contributed › peer-review
- › **Perceptual evaluation of bracewood and soundboard wood variations on the preference of a steel-string acoustic guitar** Published
- [Merchel, S.](#), [Altinsoy, M. E.](#) & Olson, D., 2019
Research output: Other contribution › Other › Contributed › peer-review
- › **Psychophysical Comparison of the Auditory and Vibrotactile Perception - Absolute Sensitivity** Published
- [Merchel, S.](#) & [Altinsoy, M. E.](#), 2019.
Research output: Contribution to conferences › Paper › Contributed › peer-review

- › **Rattert es noch oder holpert es schon - Wahrnehmung amplitudenmodulierter Ganzkörperschwingungen** Published
Schwendicke, A. & [Altinsoy, M. E.](#), 2019.
Research output: Contribution to conferences › Paper › Contributed
- › **Rethinking Flat Panel Loudspeakers—An Objective Acoustic Comparison of Different Speaker Categories** Published
Zenker, B., [Merchel, S.](#) & [Altinsoy, M. E.](#), 2019.
Research output: Contribution to conferences › Paper › Contributed › peer-review
- › **Sound quality of small electric motors** Published
[Altinsoy, M. E.](#), 2019, In: INTER-NOISE 2019 MADRID - 48th International Congress and Exhibition on Noise Control Engineering.
Research output: Contribution to journal › Conference article › Contributed › peer-review
- › **Supply circuit for DEA in dynamic applications** Published
Bakardjiev, P., Richter, A., Marschner, U., [Altinsoy, E.](#) & Troge, J., 2019.
Research output: Contribution to conferences › Paper › Contributed
- › **The natural variability of spruce soundboards: Perceptual differences in the tonal quality of acoustic guitars** Published
[Merchel, S.](#), Olson, D. & [Altinsoy, M.](#), 2019.
Research output: Contribution to conferences › Paper › Contributed
- › **The Precedence Effect in Scenarios with Projected Sound** Published
[Wühle, T.](#), [Merchel, S.](#) & [Altinsoy, M. E.](#), 2019, In: [AES: Journal of the Audio Engineering Society](#). 3, p. 1-9 9 p.
Research output: Contribution to journal › Research article › Contributed › peer-review

› Vibro-Acoustical Analyses of a Dishwasher

Published

[Atamer, S.](#), [Altinsoy, E.](#) & Hirschfeld, J., 2019, *DAGA 2019 - 45th German Annual Conference on Acoustics*.

Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed

› Vibroacoustical Beats -- Inducing Auditory Perception Through Whole-Body Vibration

Published

Schwendicke, A. M., Reichmann, F. & [Altinsoy, M. E.](#), 2019.

Research output: Contribution to conferences › Paper › Contributed

2018

› Elektromobilität: Die chance die sicherheit zu erhöhen und gleichzeitig den verkehrslärm zu reduzieren

Published

[Steinbach, L.](#) & [Ercan Altinsoy, M.](#), Mar 2018, In: *Larmbekämpfung*. 13, 2, p. 44-49 6 p.

Research output: Contribution to journal › Research article › Contributed › peer-review

› Auditory-Tactile Experience of Music

Published

[Merchel, S.](#) & [Altinsoy, M. E.](#), 2018, *Musical Haptics*.

Research output: Contribution to book/conference proceedings/anthology/report › Chapter in book/anthology/report › Contributed › peer-review

› Comparison of Different Loudness Models with Subjective Evaluations of Real Sounds: Vacuum Cleaner and Shaver Examples

Published

[Atamer, S.](#) & [Altinsoy, E.](#), 2018.

Research output: Contribution to conferences › Paper › Contributed

› Dodekaederlautsprecher mittels 3D-Druck

Published

[Merchel, S.](#), Volkmann, J., Nicht, A., [Beyer, F.](#) & [Altinsoy, M. E.](#), 2018.

Research output: Contribution to conferences › Paper › Contributed

- › **Elektromobilität: Die Chance die Sicherheit zu erhöhen und gleichzeitig den Verkehrslärm zu reduzieren** Published
- [Steinbach, L.](#) & [Altinsoy, M. E.](#), 2018, In: *Lärmbekämpfung*. 2/2018, 6 p.
Research output: Contribution to journal › Research article › Contributed › peer-review
- › **Evaluation of the frequency dependent influence of direct sound on the effect of sound projection** Published
- [Wühle, T.](#), [Merchel, S.](#) & [Altinsoy, M. E.](#), 2018.
Research output: Contribution to conferences › Paper › Contributed › peer-review
- › **Identification and Evaluation of Perceptual Attributes for Periodic Whole-Body and Hand-Arm Vibration** Published
- [Rosenkranz, R.](#), Gruschwitz, S., Wilberg, M., [Altinsoy, M. E.](#) & [Merchel, S.](#), 2018.
Research output: Contribution to conferences › Paper › Contributed › peer-review
- › **Influence of the frequency dependent directivity of a sound projector on the localization of projected sound** Published
- [Merchel, S.](#), Reichmann, F., [Wühle, T.](#) & [Altinsoy, M. Ercan](#), 2018.
Research output: Contribution to conferences › Paper › Contributed › peer-review
- › **Intensity Perception for Complex Vertical Whole-Body Vibration** Published
- Schwendicke, A., Cheng, S., Yu, X., [Altinsoy, M. E.](#) & [Merchel, S.](#), 2018.
Research output: Contribution to conferences › Paper › Contributed
- › **Nutzung von Wahrnehmungsmerkmalen für die Beurteilung von Humanschwingungen** Published
- [Rosenkranz, R.](#), [Altinsoy, M. E.](#), Gruschwitz, S. & Schecker, D., 2018.
Research output: Contribution to conferences › Paper › Contributed

- › **Nutzung von Wahrnehmungsmerkmalen für die Beurteilung von Humanschwingungen** Published
- [Rosenkranz, R.](#), [Altinsoy, M. E.](#), Gruschwitz, S. & Schecker, D., 2018.
Research output: Contribution to conferences › Paper › Contributed
- › **Perceptually Optimized Signal Processing for Vibro-Acoustical Music Reproduction** Published
- [Merchel, S.](#) & [Altinsoy, M.](#), 2018.
Research output: Contribution to conferences › Paper › Contributed
- › **Prediction of annoyance evaluations of electric vehicle noise by using artificial neural networks of annoyance evaluations of electric vehicle noise by using artificial neural networks** Published
- [Steinbach, L.](#) & [Altinsoy, M. E.](#), 2018, In: [Applied Acoustics](#). p. 149-158 10 p.
Research output: Contribution to journal › Research article › Contributed › peer-review
- › **Prediction of Detectability of Synthesized Vehicle Sounds Using Logistic Regression** Published
- [Steinbach, L.](#) & [Altinsoy, M. E.](#), 2018.
Research output: Contribution to conferences › Paper › Contributed
- › **Sound Label for Household Appliances** Published
- [Altinsoy, E.](#) & [Atamer, S.](#), 2018.
Research output: Contribution to conferences › Paper › Contributed
- › **Taktile Wahrnehmungsmerkmalen von Ganzkörperschwingungen und Hand-Arm-Schwingungen im Vergleich** Published
- [Rosenkranz, R.](#), Wilberg, M. & [Altinsoy, M. E.](#), 2018.
Research output: Contribution to conferences › Paper › Contributed

- › **Texture Rendering by Tuning the Frequency and Amplitude of Single Tone Vibrotactile Feedback** Published
Alma, A. & [Altinsoy, E.](#), 2018.
Research output: Contribution to conferences › Paper › Contributed
- › **Touchscreens and Musical Interaction** Published
[Altinsoy, M. E.](#) & [Merchel, S.](#), 2018, *Musical Haptics*.
Research output: Contribution to book/conference proceedings/anthology/report › Chapter in book/anthology/report › Contributed › peer-review
- › **Untersuchung zum Einfluss des direkten Schallanteils auf die Richtung von Hörereignissen in Wiedergabeszenarios mit projizierten Schallquellen** Published
[Wühle, T.](#), [Maravich, M. M.](#), [Merchel, S.](#) & [Altinsoy, M. E.](#), 2018.
Research output: Contribution to conferences › Paper › Contributed
- › **Vibrationen hören? - Durch Ganzkörperschwingungen ausgelöster Knochenschall** Published
Schwendicke, A. & [Altinsoy, M. E.](#), 2018.
Research output: Contribution to conferences › Paper › Contributed
- › **Vorhersage der Detektionsfähigkeit von synthetischen Fahrzeuggeräuschen mittels logistischer Regression** Published
[Steinbach, L.](#), Schmidt, M. & [Altinsoy, M. E.](#), 2018.
Research output: Contribution to conferences › Paper › Contributed
- › **Zeitliche Maskierungseffekte von vertikalen Humanschwingungen** Published
Schwendicke, A., Dou, J. & [Altinsoy, M. E.](#), 2018, p. 129-139. 11 p.
Research output: Contribution to conferences › Paper › Contributed

2017

- › **Temporal masking characteristics of whole body vibration perception** Published
Schwendicke, A., Dou, J. & [Altinsoy, M. E.](#), 9 Jun 2017, *2017 IEEE World Haptics Conference (WHC)*. IEEE Press, p. 478-483 6 p. 7989948
Research output: Contribution to book/conference proceedings/anthology/report › Conference contribution › Contributed › peer-review
- › **Application of Artificial Neural Networks for Understanding the Quality and Masculinity Perception of Electric Shavers** Published
[Atamer, S.](#) & [Altinsoy, E.](#), 2017.
Research output: Contribution to conferences › Paper › Contributed
- › **Artificial Neural Network (ANN) Based Detectability Prediction of Synthesized Exterior Electric Vehicle Sounds** Published
[Steinbach, L.](#), [Atamer, S.](#) & [Altinsoy, M. E.](#), 2017, p. 2608-2614. 7 p.
Research output: Contribution to conferences › Paper › Contributed
- › **Artificial neural network based model for the crispness impression of the potato chip Sound** Published
[Altinsoy, M. E.](#) & [Atamer, S.](#), 2017.
Research output: Contribution to conferences › Paper › Contributed › peer-review
- › **Dielectric elastomer loudspeaker driver** Published
Bakardjiev, P., Richter, A., Marschner, U., [Altinsoy, E.](#) & Troge, J., 2017.
Research output: Contribution to conferences › Paper › Contributed
- › **Dielectric elastomer loudspeaker driver: Poster presented at EuroEAP 2017, International Conference on Electromechanically Active Polymer (EAP) Transducers & Artificial Muscles, 6th and 7th of June 2017, Cartagena, Spain** Published
Bakardjiev, P., Richter, A., [Altinsoy, E.](#), Marschner, U. & Troge, J., 2017, In: EuroEAP 2017.
Research output: Contribution to journal › Research article › Contributed

› Elektromobilität: Angepasste Geschwindigkeits-Pegel-Skalierung erhöht die Sicherheit

Published

[Steinbach, L.](#), [Altinsoy, M. E.](#) & [Rosenkranz, R.](#), 2017.

Research output: Contribution to conferences › Paper › Contributed

› Evaluation of auditory events with projected sound sources using perceptual attributes

Published

[Wühle, T.](#), [Merchel, S.](#) & [Altinsoy, M.Ercan](#), 2017.

Research output: Contribution to conferences › Paper › Contributed

< 1 2 3 >



TU Dresden is co-financed by tax funds using the budget approved by the Landtag of the Free State of Saxony.

[Legal notice](#)

[Privacy](#)

[Accessibility](#)