

# Assoc. Prof. Dr. KONCA ŞAHER

University Lecturer, Architect, Acoustic Consultant  
President of Turkish Acoustical Society

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## EDUCATION

|      |                                                                                                                                                                                                                                                                       |                               |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 2013 | <b>Delft University of Technology</b><br><b>PhD in Building Technology</b>                                                                                                                                                                                            | <b>Delft, the Netherlands</b> |
|      | <ul style="list-style-type: none"><li>Dissertation: “Acoustical Design Guidelines for Living Rooms for Adults with Intellectual Disabilities”.</li></ul> Keywords: Acoustic measurements and modelling, auralizations,, listening tests with hearing-impaired people. |                               |
| 2001 | <b>Middle East Technical University</b><br><b>Master of Science in Building Science</b>                                                                                                                                                                               | <b>Ankara, Turkey</b>         |
|      | <ul style="list-style-type: none"><li>Thesis: “Sightline Analysis of Proscenium Type Auditoria”.</li></ul> Keywords: Sightline design, ergonomics, sightline performance, application software development.                                                           |                               |
| 1998 | <b>Middle East Technical University</b><br><b>Bachelor of Architecture</b>                                                                                                                                                                                            | <b>Ankara, Turkey</b>         |

## EXPERIENCE

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 2014 - Present | <b>Kadir Has University, Department of Interior Arch. &amp; Environmental Design</b><br><b>Assoc. Prof. Dr. &amp; Acting Head of Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>İstanbul, Turkey</b>       |
|                | <b>Teaching Experience (in English):</b> <ul style="list-style-type: none"><li>IA 351 - Interior Arch. Design Systems – Acoustics and Lighting.</li><li>IA 301 - Interior Design Project III – IA 401-402 Interior Design Project V-VI.</li><li>IA 251 - Building Systems I - Building Components.</li><li>IA 254 - Building Systems II – Materials.</li><li>FAD 344 - Designing User Experience in Interior Architecture. (Faculty elective)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| 2007 - 2013    | <b>ATKINS</b><br><b>Principal Acoustic Consultant</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>London, United Kingdom</b> |
|                | <ul style="list-style-type: none"><li>Acoustic lead to London 2012 Olympic and Paralympic Games Temporary Venues.</li><li>Contributing to sustainable sourcing code for London 2012 Olympic &amp; Paralympic Games Temporary Venues.</li><li>Project manager for public address system design &amp; room acoustic modelling of Jeddah International Airport.</li><li>Acoustic design review of Bond Street &amp; Birmingham New Street Stations &amp; CrossRail C100 Package.</li><li>Environmental noise impact assessments of various large master planning schemes.</li><li>Acoustic design review of high-rise residential buildings, hotels, offices in Middle East, India and Russia.</li><li>BREEAM assessments (Acoustic credits) of educational buildings, health care facilities, office buildings and industrial developments.</li><li>Sustainable design recommendations including healthy materials, responsible sourcing, hierarchy of materials for acoustic design.</li><li>Project management, business development, staff management and multi discipline working.</li><li>Working collaboratively with architects, structural engineers, mechanical engineers and Local Authorities.</li></ul> |                               |

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <b>2002 - 2007</b>    | <b>Delft University of Technology</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Delft, the Netherlands</b> |
|                       | <b>PhD Researcher</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
|                       | <ul style="list-style-type: none"> <li>Research on verification of acoustical virtual models, design for intellectually disabled, acoustic materials and acoustic design guidelines for architects.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |
| <b>2005 - 2006</b>    | <b>Technical University of Denmark</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Copenhagen, Denmark</b>    |
|                       | <b>Marie Curie Fellow in "European Doctorate in Sound and Vibration Studies".</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |
|                       | <ul style="list-style-type: none"> <li>Experimental research of binaural recordings, auralizations and listening tests for acoustic comfort assessment of auditoria, offices, classrooms and day care centres.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
| <b>2002 - 2000</b>    | <b>Erciyes University</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Yozgat, Turkey</b>         |
|                       | <b>Teaching Assistant</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
| <b>2020 - Present</b> | <b>Turkish Acoustical Society</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>İstanbul, Turkey</b>       |
|                       | <b>President</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |
|                       | <ul style="list-style-type: none"> <li>The purpose of the Acoustical Society of Turkey, which is a non-profit organization, is to generate, disseminate, and promote the knowledge and practical applications of acoustics. Diverse fields of interest in acoustics include physics, engineering, architecture, noise, speech and hearing, psychology and music. Moreover, the society also aims to establish networking between people at different disciplines of acoustics and to discuss acoustics by organizing seminars, symposiums, congresses and other events and to support the further studies and announce the progress on standardization and regulations.</li> </ul> |                               |

## RESEARCH AREA & KEY SKILLS

- Room acoustics design, measurements, and simulations.
- Sound insulation and noise reduction calculations.
- Building services noise control.
- Room acoustics and Public Address and Voice Alarm system design. (PA/VA Design)
- Environmental noise assessments, construction noise and vibration.
- Reporting for planning and development in compliance with building regulations.
- Development of sustainable design codes, sustainable design guidelines, healthy materials, sustainable sourcing, BREEAM assessments for acoustics.
- Diffusion of knowledge from industry to academy and increase technological contribution of the university.
- Ability to provide outstanding vision to establish collaborative research initiatives with international institutions and industrial partners.

## ACADEMIC HONORS, AWARDS AND FELLOWSHIPS

- |             |                                                                                                                                                                                     |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2005</b> | Marie Curie Fellowship in "European Doctorate in Sound and Vibration Studies". (9 months)<br>Research fellowship at Technical University of Denmark, Acoustic Technology Department |
| <b>2002</b> | Dutch Government Scholarship for Doctoral education.<br>PhD scholarship at Delft University of Technology, Department of Architecture.                                              |

## CERTIFICATION

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|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2018</b> | D1 - Building Acoustics Expert Training Certificate, Turkey.<br>Certified Building Acoustic Expert in line with "Regulation on Protection of Buildings against Noise" issued by Turkish Ministry of Environment and Urbanization, May 2017. |
| <b>2012</b> | BREEAM International Assessor Training Certificate - BRE Watford, UK.<br>BREEAM is one of the leading sustainability assessment method for master planning projects, infrastructure and buildings.                                          |

## GRANTS AND PROJECTS

- 2021** **Istanbul Development Agency (IDA)** - Financial Support Program: “Designhub-Ist Design Education and Application Centre”. (Consultant)
- 2021** **H2020 MSCA-RISE PROJECT: 101008186 CONSIDER** – “Sustainable Management of Industrial Heritage as a Resource for Urban Development”. (Researcher)
- 2014** **The Scientific and Technological Research Council of Turkey (TUBITAK)** – Directorate of Science Fellowships and Grant Programmes (BİDEB) - 2232 Grant. Project No: 114C105. “Improvement of Classroom Acoustics for the Hearing Impaired”. (15.08.2014-11.06.2016). Project manager.
- 2013** **European Union Project** (Europe Aid /131352/D/SER/TR) : “Technical Assistance Project For Implementation Capacity For The Environmental Noise Directive, Turkey” by Ministry of Environment and Urbanism.)
- Project Budget: EUR 6, 090, 000.00
- Non key Local Expert for the Development of Strategic Noise Maps and Action Plans for Adana, Erzurum, Eskişehir in Turkey. (06.2013-12.2015)

## PUBLICATIONS

### Papers in Refereed Journals

- 2025** **Saher, K.**, Ozgencil, Y., & Khoshkholghi, S. (2025). Acoustic assessment of four music rehearsal rooms in accordance with ISO 23591. *Applied Acoustics*, 240, 110878. <https://doi.org/10.1016/j.apacoust.2025.110878> (Indexed: Science Citation Index Expanded [SCI-EXP])
- 2023** **Saher, K.**, Bulunuz, M., Kelmendi, J., & Nas, S. (2023). Assessment of speech intelligibility during different teaching activities in classrooms with and without acoustic treatment. *Applied Acoustics*, 207, 109346. <https://doi.org/10.1016/j.apacoust.2023.109346> (Indexed: Science Citation Index Expanded [SCI-EXP])
- 2020** Dümen, A. S., & **Saher, K.** (2020). Noise annoyance during COVID-19 pandemic: A research on public opinion before and during the pandemic. *The Journal of the Acoustical Society of America*, 148(6), 3489–3496. (Indexed: Science Citation Index Expanded [SCI-EXP])
- 2019** **Saher, K.**, & Karaböce, B. (2019). Dersliklerde reverberasyon süresi ve gürültü-sinyal oranının yetişkinler ve çocuklarda kelime ayırt etme oranına etkisi [The effect of reverberation time and signal-to-noise ratio on word recognition scores by adults and children in classrooms]. *Megaron*, 14(3), 385–396. (Indexed: Design and Applied Arts Index [DAAI], Avery Index to Architectural Periodicals [AIAP]). [Paper in Turkish]
- 2018** **Saher, K.**, Karaca, D., & Türkel, E. (2018). Kentsel planlamanın işitsel boyutu: Eskişehir [The auditory dimension of urban planning: Eskişehir]. *Mimarlık*, 402, 39–43. (Indexed: Design and Applied Arts Index [DAAI], Avery Index [AI]). [Paper in Turkish]
- 2017** Çetin, M., & **Saher, K.** (2017). Building for capturing public mind through ears: Evolution of architectural typology as a mechanism of auditory deception and urban control. *Journal of Civil Engineering and Architecture*, 11(1), 67–80. (Indexed: Cambridge Science Abstracts [CSA], Google Scholar)
- 2016** **Saher, K.**, & Çetin, M. (2016). The sounds of crime and punishment: A review of different prison types in regard to their binary soundscapes. *IOSR Journal of Humanities and Social Science*, 21(11), 57–67.
- 2016** **Saher, K.**, & Çetin, M. (2016). Music and performance as sonic acts of political struggle: Counter-political soundscapes in the urban realm. *Sociology Study*, 6(6), 378–391. (Indexed: Google Scholar, ProQuest/CSA Social Science Collection)
- 2016** **Saher, K.** (2016). Battersea gaz tankları [Battersea gas holders]. *Yapı Dergisi*, 414, 166–169. (Indexed: Design and Applied Arts Index [DAAI]). [Paper in Turkish]
- 2016** **Saher, K.** (2016). Mountain bike venue test event noise assessment: London 2012 Olympic and Paralympic Games. *AKUSTIKA*, 25, 62–65. (Indexed: Scopus)

- 2009** Saher, K. (2009). Açık plan ofislerde akustik kalite analizinde işitselleştirme [Auralization in acoustic quality analysis for open-plan offices]. *Mimarlık*, 350, 47–50. [Paper in Turkish]
- 2008** Nijs, L., Saher, K., & van Ouden, D. (2008). Effect of room absorption on human vocal output in multi-talker situations. *The Journal of the Acoustical Society of America*, 123(2), 803–813. (Indexed: Science Citation Index Expanded)
- 2007** Saher, K., & Rychtáriková, M. (2007). Impact of corner, screen absorption, and furniture on reducing noise levels in an L-shaped room. *AKUSTIKA*, 7, 2–11.

#### Papers in Other Journals

- 2019** Saher, K. (2019). Gürültünün sağlık üzerindeki etkisi [The effect of noise on health]. *İzodergi*, 143, 30–32. [Paper in Turkish]
- 2018** Saher, K. (2018). Hızlıca kentleşirken ve kentler dönüşürken planlamada gürültü ve ses [Noise and sound in planning while we are urbanizing rapidly and cities are transforming]. *İzodergi*, 133, 44–46. [Paper in Turkish]
- 2014** Saher, K. (2014). Tasarımın sesi [The sound of design]. *ODTÜLÜ*, 53, 60–61. [Paper in Turkish]

#### Books and Book Chapters

- 2021** Dümen, A. S., Budayan, D. S. N., & Saher, K. (Eds.). (2021). *2020 sonrası ses ve sessizlik: Depremler, protestolar, Covid-19* [Sound and silence after 2020: Earthquakes, protests, and COVID-19]. Hiper Yayın. ISBN 978-625-7499-63-7; e-ISBN 978-625-7499-64-4. [Book in Turkish]
- 2019** Saher, K., Aydın, D. C., Ozbilen, B. S., Sentop, A., Bayazit, N. T., & Eren, B. (Eds.). (2019). *13. Ulusal Akustik Kongresi Bildiriler Kitabı* [Proceedings of the 13th National Acoustics Congress]. Turkish Acoustical Society. [Book in Turkish]
- 2015** Vergili, S., Ozis, F., Kutluk, F., Calli, C., Saher, K., & Kose, T. (2015). Music and technology evaluation of reverberation time differences: An fMRI study. In F. Kutluk & U. Turmen (Eds.), *In which direction is music heading?* (pp. 123–132). Cambridge Scholars Publishing.

#### Papers in Refereed Conference Proceedings

- 2026** Kelle, D., Saher, K., & Üstündağ Ganiç, Ö. (2026). The acoustic environment and user experience in collective workspaces. 32nd International Congress on Sound and Vibration (ICSV32), İstanbul, Türkiye, 5–10 July 2026.
- 2026** Vergili, S., Öziş, F., Saher, K., & Kulak Dalkılıç, S. (2026). Speech intelligibility assessment under background music in restaurants. 32nd International Congress on Sound and Vibration (ICSV32), İstanbul, Türkiye, 5–10 July 2026.
- 2026** Aslan, A., Saher, K., & Semiz, N. (2026). Acoustic performance and musical compatibility of rock-cut churches in Cappadocia. 32nd International Congress on Sound and Vibration (ICSV32), İstanbul, Türkiye, 5–10 July 2026.
- 2026** Elban, G., Saher, K., Kulak Dalkılıç, S., Öziş, F., & Vergili, S. (2026). Baffle panellerin ses yutma performansının ISO 354'e göre ölçüm yöntemleri açısından karşılaştırılması [Comparison of the sound absorption performance of baffle panels in terms of ISO 354 measurement methods]. 5. Ulusal Yapı Fiziği ve Çevre Kontrolü Kongresi [5th National Building Physics and Environmental Control Congress], İstanbul, Türkiye, 7–8 May 2026. [Paper in Turkish]
- 2025** Kılınç, A., Öziş, F., Vergili, S., & Saher, K. (2025). Restoranlarda konuşmanın anlaşılabilirliğinin değerlendirilmesi: Hoparlör yerleşim türleri ve hoparlör kalitelerinin etkileri [Evaluating speech intelligibility in restaurants: The role of loudspeaker placement and quality]. 16. Ulusal Akustik Kongresi ve Sergisi [16th National Acoustics Congress and Exhibition], İstanbul, Türkiye, 6–7 November 2025. [Paper in Turkish]
- 2025** Akbay, D., Vergili, S., Öziş, F., & Saher, K. (2025). Helmholtz rezonatörlerinde form faktörünün etkilerinin bir rezonatör ölçüm örneği üzerinden değerlendirilmesi [Evaluation of the effects of the form factor in Helmholtz resonators through a resonator measurement example]. 16. Ulusal Akustik Kongresi ve Sergisi [16th National Acoustics Congress and Exhibition], İstanbul, Türkiye, 6–7 November 2025. [Paper in Turkish]
- 2025** Çakmakçı, İ. E., Vergili, S., Öziş, F., & Saher, K. (2025). Restoranlarda arka plan müziği: Konuşmanın anlaşılabilirliği üzerindeki etkiler [Background music in restaurants: Effects on speech intelligibility]. 16. Ulusal Akustik Kongresi ve Sergisi [16th National Acoustics Congress and Exhibition], İstanbul, Türkiye, 6–7 November 2025. [Paper in Turkish]
- 2025** Kelle, D., Saher, K., & Üstündağ Ganiç, Ö. (2025). Kolektif çalışma alanlarında ses ortamı ve kullanıcı deneyimi

[Sound environment and user experience in shared workspaces]. 16. Ulusal Akustik Kongresi ve Sergisi [16th National Acoustics Congress and Exhibition], İstanbul, Türkiye, 6–7 November 2025. [Paper in Turkish]

- 2025** Ercan, S. O., Öziş, F., Vergili, S., & **Saher, K.** (2025). Akustik literatüründe saçılma katsayısı ölçüm ve değerlendirilmesi [Measurement and evaluation of the scattering coefficient in the acoustics literature]. 16. Ulusal Akustik Kongresi ve Sergisi [16th National Acoustics Congress and Exhibition], İstanbul, Türkiye, 6–7 November 2025. [Paper in Turkish]
- 2025** Kelle, D., **Saher, K.**, & Üstündağ Ganiç, Ö. (2025). Acoustic assessment of shared workspaces. 25th International Congress on Acoustics and 188th Meeting of the Acoustical Society of America (ICA 2025), New Orleans, LA, United States, 18–23 May 2025.
- 2024** **Saher, K.**, Sentop Dumen, A., Sezgin, H., Nas, S., & Kelle, D. (2024). Insights from the acoustics workshop in educational buildings by the Turkish Acoustical Society. INTER-NOISE and NOISE-CON Congress and Conference Proceedings, Nantes, France, 24–29 August 2024.
- 2024** **Saher, K.**, Dümen, A. Ş., Sezgin, H., Nas, S., Kelle, D., & Demiral, Y. (2024). Reflections on the International Noise Awareness Day 2023 activities. 30th International Congress on Sound and Vibration (ICSV30), Amsterdam, the Netherlands, 8–11 July 2024.
- 2024** Luzzi, S., Bartalucci, C., Delle Macchie, S., Pedrero, A., & **Saher, K.** (2024). International collaborations among schools as a follow-up to the International Year of Sound. 30th International Congress on Sound and Vibration (ICSV30), Amsterdam, the Netherlands, 8–11 July 2024.
- 2024** Nas, S., **Saher, K.**, Mıhçı, G., & Aytis, S. (2024). Exploring the acoustic identity of Derinkuyu Underground City. 30th International Congress on Sound and Vibration (ICSV30), Amsterdam, the Netherlands, 8–11 July 2024.
- 2023** **Saher, K.**, Ozturk, A., Sentop Dumen, A., Demiral, Y., & Ozankan, A. (2023). Through healthier learning environments in Turkish schools. Proceedings of the 10th Convention of the European Acoustics Association, Forum Acusticum 2023, Torino, Italy, 11–15 September 2023, pp. 969–972.
- 2023** Aslan, A., **Saher, K.**, & Tozoglu, A. E. (2023). Acoustic transformation of rock-cut caves into performance spaces. Proceedings of the 10th Convention of the European Acoustics Association, Forum Acusticum 2023, Torino, Italy, 11–15 September 2023, pp. 2567–2570.
- 2023** **Saher, K.**, Sezgin, H., Sentop Dumen, A., Nas, S., Kulak, S., & Ozcetin, Z. (2023). Experiences from IYS 2020: Public engagement and awareness activities in Türkiye. Proceedings of the 10th Convention of the European Acoustics Association, Forum Acusticum 2023, Torino, Italy, 11–15 September 2023, pp. 5879–5880.
- 2022** Sentop Dümen, A., **Saher, K.**, & Kurra, S. (2022). Towards new acoustic policies in the “new normal” of the COVID-19 pandemic. 24th International Congress on Acoustics, Gyeongju, Korea, 24–28 October 2022.
- 2019** **Saher, K.** (2019). Yetişkinler ve çocuklarda fonetik dengeli tek heceli kelime ayırt etme testlerinin karşılaştırılması [Comparison of phonetically balanced monosyllabic word recognition tests in adults and children]. 13. Ulusal Akustik Kongresi ve Sergisi [13th National Acoustics Congress and Exhibition], Diyarbakır, Türkiye, 17–18 October 2019, pp. 175–186. [Paper in Turkish]
- 2019** Vergili, S., Öziş, F., & **Saher, K.** (2019). Hastane acil servislerinde akustik değerlendirme kriteri olarak konuşma anlaşılabilirliği [Speech intelligibility as an acoustic evaluation criterion in hospital emergency departments]. 13. Ulusal Akustik Kongresi ve Sergisi [13th National Acoustics Congress and Exhibition], Diyarbakır, Türkiye, 17–18 October 2019, pp. 165–173. [Paper in Turkish]
- 2019** Balkir, N., **Saher, K.**, & Mihci, G. (2019). Blending science and art: An educational perspective. EDULEARN19 Conference, Palma, Mallorca, Spain, 1–3 July 2019, pp. 1283–1288.
- 2019** **Saher, K.** (2019). Londra 2012 Greenwich Park binicilik müsabaka alanı gürültü ve ses kontrolü [London 2012 Greenwich Park equestrian event noise and sound control]. 14. Ulusal Tesisat Mühendisliği Kongresi [14th National Installation Engineering Congress], İzmir, Türkiye, 17–20 April 2019, pp. 1702–1711. [Paper in Turkish]
- 2018** **Saher, K.** (2018). Rain noise sound intensity testing: London 2012 Olympics International Broadcasting Centre case study. 8th Congress of the Alps Adria Acoustics Association, Zagreb, Croatia, 20–21 September 2018, pp. 154–157.
- 2018** **Saher, K.** (2018). Yemekhanelerde akustik konfor değerlendirmesi: Bir örnek çalışma [Acoustic comfort evaluation

in dining halls: A case study]. 3. Ulusal Yapı Fiziği ve Çevre Kontrolü Kongresi [3rd National Building Physics and Environmental Control Congress], İstanbul, Türkiye, 10–11 June 2018, pp. 123–130. [Paper in Turkish]

- 2018** **Saher, K.** (2018). Londra 2012 Olimpiyatları Uluslararası Yayın Merkezi çatısında yağmur darbe sesi yalıtımı [Rain impact sound insulation of the London 2012 Olympics International Broadcasting Centre roof]. 9. Ulusal Çatı ve Cephe Konferansı [9th National Roof and Facade Conference], İstanbul, Türkiye, 12–13 April 2018, pp. 213–219. [Paper in Turkish]
- 2017** **Saher, K., & Ozgencil, Y.** (2017). Prova odalarında piyano ve gitar için işitselleştirmelerin değerlendirilmesi [Assessment of auralizations for piano and guitar in music practice rooms]. 12. Ulusal Akustik Kongresi [12th National Acoustics Congress], Urla, İzmir, Türkiye, 14–15 September 2017. [Paper in Turkish]
- 2017** **Saher, K., Karaboce, B., & Nas, S.** (2017). Sınıf akustiğinde fonetik dengeli tek heceli kelime listelerinin işitselleştirilmesi [Auralization of phonetically balanced monosyllabic word lists in classroom acoustics]. 12. Ulusal Akustik Kongresi [12th National Acoustics Congress], Urla, İzmir, Türkiye, 14–15 September 2017. [Paper in Turkish]
- 2017** **Saher, K., Nas, S., Karaboce, B., Kırbas, C., & Bilgic, E.** (2017). Çınlanım odasında ölçüm ve simülasyon değerlerinin karşılaştırılması [Comparison of measurement and simulation values in the reverberation chamber]. 12. Ulusal Akustik Kongresi [12th National Acoustics Congress], Urla, İzmir, Türkiye, 14–15 September 2017. [Paper in Turkish]
- 2017** **Saher, K., & Ozgencil, Y.** (2017). Assessment of auralizations of piano and guitar for music practice rooms. Proceedings of the 2017 International Symposium on Musical Acoustics, Montreal, Canada, 18–22 June 2017, pp. 129–132.
- 2017** **Saher, K., & Mihçi, G.** (2017). Auditory exploration of Derinkuyu Underground City, Cappadocia, Türkiye. Invisible Places 2017: Sound, Urbanism and Sense of Place, São Miguel Island, Azores, Portugal, 7–9 April 2017, pp. 396–403.
- 2016** **Saher, K., Nas, S., Karaboce, B., Kırbas, C., & Bilgic, E.** (2016). Room acoustic modelling of a reverberation chamber. INTER-NOISE 2016: 45th International Congress and Exposition on Noise Control Engineering, Hamburg, Germany, 21–24 August 2016, pp. 1043–1049.
- 2016** **Saher, K., & Karaböce, B.** (2016). Auralizations of monosyllabic word lists for hearing-impaired students: A preliminary study. EUROREGIO 2016: 9th Iberian Acoustics Congress, Porto, Portugal, 13–15 June 2016.
- 2016** **Saher, K.** (2016). Londra 2012 Olimpik binicilik müsabaka alanı çevresel gürültü değerlendirmesi [London 2012 Olympic equestrian event environmental noise assessment]. 2. Ulusal Yapı Fiziği ve Çevre Kontrolü Kongresi [2nd National Building Physics and Environmental Control Congress], İstanbul, Türkiye, 4–5 June 2016. [Paper in Turkish]
- 2015** **Saher, K., Karaca, D., Turkel, E., & Stimac, A.** (2015). Eskişehir pilot alanı stratejik gürültü haritalaması [Strategic noise mapping of the Eskişehir pilot area]. 11. Ulusal Akustik Kongresi [11th National Acoustics Congress], İstanbul, Türkiye, 21–22 October 2015. [Paper in Turkish]
- 2015** **Ozgencil, Y., & Saher, K.** (2015). Konservatuvar prova odalarının akustik özelliklerinin incelenmesi [Assessment of the acoustic properties of rehearsal rooms in conservatories]. 11. Ulusal Akustik Kongresi [11th National Acoustics Congress], İstanbul, Türkiye, 21–22 October 2015. [Paper in Turkish]
- 2015** **Saher, K., & Medley, A.** (2015). Battersea Gas Holders demolition works environmental noise impacts study. ICOEST International Conference on Environmental Science and Technology, Sarajevo, Bosnia and Herzegovina, 9–13 September 2015.
- 2014** **Saher, K., & Cahill, B.** (2014). London 2012 Olympic and Paralympic Games: Acoustic design aspects of temporary venues. Forum Acusticum, Krakow, Poland, 7–12 December 2014.
- 2014** **Saher, K., Nijs, L., & Hordijk, T.** (2014). Acoustic design guidelines for adults with intellectual disability. Forum Acusticum, Krakow, Poland, 7–12 December 2014.
- 2013** **Saher, K., & Cahill, B.** (2013). Londra 2012 Olimpik ve Paralimpik Oyunları: Geçici müsabaka mekânlarının akustik tasarımı [London 2012 Olympic and Paralympic Games: Acoustic design of temporary venues]. 10. Ulusal Akustik Kongresi [10th National Acoustics Congress], İstanbul, Türkiye, 16–17 December 2013. [Paper in Turkish]

- 2011** Saher, K., & Cahill, B. (2011). Recommendations for public address and voice alarm (PA/VA) system design in underground metro stations. 9th National Acoustics Congress, Ankara, Türkiye, 26–27 May 2011.
- 2011** Saher, K., & Ozis, F. (2011). Subjective assessment of the location of absorption in a small room using auralizations. 9th National Acoustics Congress, Ankara, Türkiye, 26–27 May 2011.
- 2011** Saher, K., & Ozis, F. (2011). Acoustic treatment investigation of a gymnasium in a high school designed for students with special educational needs. 9th National Acoustics Congress, Ankara, Türkiye, 26–27 May 2011.
- 2011** Cahill, B., Saher, K., & Hill, N. (2011). Carbon-critical design considerations in acoustic design. Proceedings of the Institute of Acoustics, 33(1), Acoustic Challenges in Green Buildings Meeting, Watford, United Kingdom, 16 February 2011, pp. 7–14.
- 2010** Saher, K., & Nijs, L. (2010). Acoustical design guidelines in rooms for adults with an intellectual disability. 1st EAA Euroregio Congress on Sound and Vibration, Ljubljana, Slovenia, 15–18 September 2010.
- 2009** Saher, K., & Hill, N. (2009). Key issues in the design of educational buildings. 34th International Acoustic Conference: EAA Symposium, High Tatras, Slovakia, 28–30 September 2009.
- 2008** Saher, K., Hill, N., & Clouston, J. (2008). Comparison between column speakers and flat-panel speakers in a metro station using ODEON. Proceedings of the Institute of Acoustics, 30(6), Reproduced Sound Conference, Brighton, United Kingdom, 20–21 November 2008, pp. 305–313.
- 2008** Saher, K. (2008). Auralization as an assessment tool in open-plan offices. 8th National Acoustics Congress, Antalya, Türkiye, 27–28 November 2008.
- 2008** Ozis, F., & Saher, K. (2008). Trompet ve keman kayıtları için kayıt stüdyolarının yansım süresi ihtiyaçlarının belirlenmesi [Determination of reverberation-time requirements for trumpet and violin recordings in recording studios]. 8. Ulusal Akustik Kongresi [8th National Acoustics Congress], Antalya, Türkiye, 27–28 November 2008. [Paper in Turkish]
- 2007** Saher, K., Ozis, F., & Rindel, J. H. (2007). Assessment of musical instrument performances for practice rooms by musicians. 19th International Congress on Acoustics, Madrid, Spain, 2–7 September 2007, pp. 5572–5578.
- 2007** Saher, K., Rindel, J. H., & Nijs, L. (2007). Assessment of room absorption by people with normal hearing and hearing impairment. 19th International Congress on Acoustics, Madrid, Spain, 2–7 September 2007, pp. 5566–5572.
- 2007** Ozis, F., & Saher, K. (2007). Investigation of room acoustic properties for clarinet and piano in recording studios. INTER-NOISE 2007, İstanbul, Türkiye, 28–31 August 2007, pp. 2632–2636.
- 2007** Saher, K., & Nijs, L. (2007). Acoustical quality investigation in actual and virtual rooms in care centres. INTER-NOISE 2007, İstanbul, Türkiye, 28–31 August 2007, pp. 2646–2651.
- 2006** Saher, K., & Nijs, L. (2006). Absorption coefficient for acoustical quality in living rooms in care centres for people with intellectual disabilities. INTER-NOISE 2006, Honolulu, HI, United States, 3–6 December 2006, pp. 3158–3166.
- 2006** Saher, K., & Rychtáriková, M. (2006). Impact of corner, screen absorption, and furniture on reducing noise levels in an L-shaped room. 33rd International Acoustics Conference: EAA Symposium, Štrbské Pleso, Slovakia, 4–6 October 2006.
- 2006** Saher, K. (2006). Prediction and assessment of acoustical quality in living rooms for people with intellectual disabilities. 8th PhD Symposium of the Research School: Integral Design of Structures, Zeist, the Netherlands, 20–21 June 2006.
- 2006** Saher, K., & Rindel, J. H. (2006). How does architecture sound for different musical instrument performances? Architecture, Music, Acoustics International Cross-Disciplinary Conference, Toronto, Canada, 6–8 June 2006.
- 2006** Saher, K., Rindel, J. H., & Nijs, L. (2006). Comparisons between binaural and in-situ recordings and auralizations. 120th Audio Engineering Society Convention, Paris, France, 20–23 May 2006. (Paper No. 6744).
- 2006** Saher, K., Angelakis, K., & Alvarez, J. (2006). Performance and rehearsal hall for children: Collaboration between architecture and acoustics students. Proceedings of the Institute of Acoustics, 28(2), 6th International Conference on Auditorium Acoustics, Copenhagen, Denmark, 5–7 May 2006. (Paper No. 195).

- 2006** Angelakis, K., **Saher, K.**, & Alvarez, J. (2006). Virtual representation and qualification of soundscapes of open public spaces. Proceedings of the Institute of Acoustics, 28(1), Institute of Acoustics Spring Conference: Futures in Acoustics, Southampton, United Kingdom, 3–4 April 2006, pp. 98–105.
- 2005** **Saher, K.**, Rindel, J. H., & Nijs, L. (2005). Assessment of the impact of reverberation time and absorption on listening conditions in multi-source environments. Forum Acusticum, Budapest, Hungary, 29 August–2 September 2005.
- 2005** **Saher, K.**, Nijs, L., & van der Voorden, M. (2005). Definition of material properties in acoustical model calibration. 118th Audio Engineering Society Convention, Barcelona, Spain, 28–31 May 2005, pp. 1364–1372.
- 2004** **Saher, K.**, Nijs, L., & van der Voorden, M. (2004). The impact of screen design parameters on the reduction of noise levels in multi-functional spaces. Acustica 2004, Guimarães, Portugal, 14–17 September 2004.
- 2004** **Saher, K.**, Nijs, L., van der Voorden, M., & Rychtáriková, M. (2004). Improvement of speech intelligibility in multi-functional spaces by means of architectural intervention. INTER-NOISE 2004, Prague, Czech Republic, 22–25 August 2004.
- 2004** Rychtáriková, M., Nijs, L., **Saher, K.**, & van der Voorden, M. (2004). Architectural guidelines for living rooms, classrooms, offices, sport facilities, and restaurants. INTER-NOISE 2004, Prague, Czech Republic, 22–25 August 2004.
- 2003** **Saher, K.**, Nijs, L., Rychtáriková, M., & van der Voorden, M. (2003). Prediction and assessment of acoustical quality in multi-functional spaces for mentally challenged people. 7th International Acoustics Colloquium, Zvolen-Sachtický, Slovakia, 4–5 September 2003.
- 2003** Rychtáriková, M., Nijs, L., van der Voorden, M., & **Saher, K.** (2003). The relevance of modelling sound-source directivity in ray-tracing software. 7th International Acoustics Colloquium, Zvolen-Sachtický, Slovakia, 4–5 September 2003.

#### Conference Presentations (Abstracts)

- 2021** Dümen, A. S., & **Saher, K.** (2021). Pandemi sürecinde Türk Akustik Derneği tarafından konutlarda gürültü rahatsızlığı araştırması [Research on noise annoyance in dwellings by the Turkish Acoustical Society during the pandemic]. 14. Ulusal Akustik Kongresi [14th National Acoustics Congress], İstanbul, Türkiye, 7–8 October 2021 (online). [Abstract in Turkish]
- 2021** Dümen, A. S., & **Saher, K.** (2021). Noise annoyance in dwellings during the first wave of COVID-19. 180th Meeting of the Acoustical Society of America: Acoustics in Focus, 8–10 June 2021 (online).
- 2017** **Saher, K.**, & Karaboce, B. (2017). Assessment of auralizations of monosyllabic words for hearing-impaired students. Acoustics '17, 173rd Meeting of the Acoustical Society of America and the 8th Forum Acusticum, Boston, MA, United States, 25–29 June 2017.
- 2015** **Saher, K.**, & Cetin, M. (2015). Binary soundscapes of prisons. Soundscapes and Sonic Cultures in America, 42nd AAAS Conference, Graz, Austria, 6–8 November 2015.
- 2015** **Saher, K.**, & Mihci, G. (2015). Exploration of the sonic ecology of Derinkuyu Underground City in Türkiye. ARCHEOACOUSTICS II: Second International Interdisciplinary Conference on the Archaeology of Sound, İstanbul, Türkiye, 30 October–1 November 2015.

#### INVITED TALKS, SEMINARS AND WORKSHOPS

- 2025** Seminar on “Hearing architecture” invited talk at Yapı Innovation Days, Bilgi Commercialization Center, Istanbul, Turkey on 8th May, 2025.
- 2023** Seminar on “Acoustic consultancy and use of auralization” as part of Erasmus+ staff mobility for teaching and training activities at the Department of Information and Communications Engineering, Aalto University School of Electrical Engineering on 11th October, 2023.
- 2023** Seminar on “Speech Intelligibility Assessments in Classrooms (Hearing Impaired)” as part of Erasmus+ staff mobility for teaching and training activities at the Department of Information and Communications Engineering, Aalto

University School of Electrical Engineering on 13th October 2023.

- 2019** Seminar on “Acoustic Design and Cognitive Performance in Educational Facilities”; Atelier Area, Bomontiaada, İstanbul. October 11, 2019. (Sponsored by St. Gobain Rigips and SAFE Acoustics)
- 2019** Seminar on “Noise Control and Fire Safety in High Quality Buildings”; Atelier Area, Bomontiaada, İstanbul. March 06, 2019. (Sponsored by St. Gobain Rigips and Cype Turkey)
- 2019** Seminar on “Comfort Design in Offices and BIM Applications: Acoustic Comfort in Offices”; Atelier Area, Bomontiaada, İstanbul. February 01, 2019. (Sponsored by St. Gobain Rigips and Cype Turkey)
- 2016** Seminar on “Noise Control and Legislation Policy”; İzmir Economy University, Fac. Of Architecture, Dept. Architecture. İzmir, December 1, 2016
- 2016** Workshop on “Hearing the Room Skin?” Yaşar University, Fac. Of Architecture, Dept. of Interior Architecture and Environmental Design. İzmir, October 7, 2016
- 2016** Workshop on “Meas-Art: Art of Measurement”; workshop held jointly by, Kadir Has University, Faculty of Art and Design and TÜBİTAK National Metrology Institute, İstanbul, April 28-29-30, May 1 2016 (with B. Karaböce, G. Mıhçı and N. Balkir).
- 2016** Workshop on “Sonic Exploration of Derinkuyu Underground City”; Sensory Histories of Place, Koç University, Research Centre for Anatolian Civilizations, 1-2 April 2016, İstanbul, Turkey. (with G. Mıhçı)
- 2016** Seminar on “Audible Interior Spaces”; İzmir Institute of Technology, Fac. of Architecture, Dept. of Architecture, İzmir, April 7, 2016. (Fanfare Architecture seminars.)
- 2015** Seminar on “Sustainability in London 2012 Olympic and Paralympic Games – Temporary Venues”; İzmir University of Economics, Fac. of Architecture, Dept. of Arch., İzmir, December 4, 2015.
- 2015** Seminar on “Acoustic Design in Interior Architecture”; Yaşar University, Fac. of Architecture, Dept. of Interior Architecture and Environmental Design, İzmir, March 13-20, 2015.
- 2014** Seminar on “Hearing Architecture: Exploring Aural Environment”; Yaşar University, Fac. of Architecture, Dept. of Arch., İzmir, November 26, 2014.
- 2014** Workshop on “Sound Scores Workshop”; Yaşar University, Fac. of Architecture, Dept. of Arch., İzmir, November 25-27, 2014 (with G. Mıhçı).
- 2013** Workshop 11<sup>th</sup> Turkish and German Designers Workshop “Skin of the City”: organized by İstanbul Commerce University Faculty of Engineering and Design and HFT Stuttgart University of Applied Sciences, İstanbul, November 11-15, 2013.
- 2013** Seminar on “Acoustic Design of Schools for SEN and Hearing Impaired”; Institute of Acoustics, London Branch Evening Meeting, London, UK, February 20, 2013 (the same lecture is given at Institute of Acoustics Midlands Branch at Birmingham 26 March 2013).
- 2009** Seminar on “Room Acoustics Applications”; İzmir Institute of Technology, Department of Architecture, May 9, 2009.
- 2009** Seminar on “ODEON Room Acoustics Software for Music Technology Studies”; 9 Eylül University, Music Technology Department, May 10, 2009.
- 2008** Seminar on “Auralization in Open Plan Offices and Rooms for Hearing Impaired”; Presentation for the Local Authorities, ATKINS, Surrey, UK, February 27, 2008.
- 2006** Workshop “Experience Ray Racing Modelling Workshop”; 5<sup>th</sup> Ecophon International Acousticians’ Seminar: Innovations in Acoustics, Helsingborg, Sweden, September 27-28, 2006.

## CONGRESS & ACADEMIC ORGANIZATIONS

- 2026** **Saher, K.**, Conference Chair. 32nd International Congress on Sound and Vibration, ICSV32, İstanbul, Turkey, 5-10 July 2026.
- 2025** **Saher, K.**, Conference Chair. 16th National Acoustic Congress, 7-9 November 2025, Kadir Has University, İstanbul,

Turkey.

- 2023** **Saher, K.,** Conference Chair. 15th National Acoustic Congress, 2-3 November 2023, Trakya University, Edirne, Turkey.
- 2022** **Saher, K.,** Chair (2022). "International Noise Awareness Day Symposium", 27 April 2022, İstanbul, Turkey. (online) Turkish Acoustical Society Event in collaboration with Association of Occupational Hygienists (Turkey), Italian Association of Occupational Hygienists and Occupational Health And Safety Research And Development Institute (Turkey).
- 2021** **Saher, K.,** Conference Chair. 14th National Acoustic Congress, 7-8 October 2021, Bilgi University, İstanbul, Turkey. (online)
- 2021** **Saher, K.,** Vice Chair (2021). "Noise Awareness Day Seminars: Sound Insulation Legislation and Implementation", 28-29 April 2021, İstanbul Bilgi University, İstanbul, Turkey. (online)
- 2019** **Saher, K.,** Vice Chair (2019). "IEEE International Symposium on Medical Measurements and Application Conference", 26-28 June 2019, Kadir Has University, İstanbul, Turkey.
- 2019** **Saher, K.,** Member of 13th National Acoustic Congress Organization Board (2019). 13th National Acoustic Congress, 17-18 October 2019, Dicle University, Diyarbakir, Turkey.

## THESIS SUPERVISION

- 2020** Arslan, A., (ongoing) "Acoustic Design in Rock-cut Spaces: A Case Study in Cappadocia Region". Abdullah Gül University, Department of Architecture Doctoral Program, Graduate School of Natural and Applied Sciences. Doctoral Thesis.
- 2020** Atakan, M.E., (June, 2020) "Evaluation Of The Effects Of Acoustic Designs On The Reverberant Area In Home Studios". Bahçeşehir University, Sound Technologies Master Program, Graduate School of Natural and Applied Sciences. Master Thesis. ([in Turkish](#))
- 2018** Kocaer, r., (September, 2018) "Kılıç Ali Paşa Mosque Acoustic Heritage Evaluation and Acoustic Performance Comparison with a Modern Mosque". Kadir Has University, Graduate Program for the Preservation of Cultural Heritage, Graduate School of Science. Master Thesis. ([in Turkish](#))
- 2015** Ozgencil, Y., (May, 2015) "Acoustic Investigation of Conservatory Rehearsal Rooms and Improvement of Acoustic Design". Bahçeşehir University, Sound Technologies Master Program, Graduate School of Natural and Applied Sciences. Master Thesis. ([in Turkish](#))