



# KATARZYNA SOCHACZEWSKA

audio engineer, PhD,  
immersive audio expert

## CONTACT

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## EDUCATION

### AGH University of Science and Technology

2018-2023 **Doctor of Philosophy (PhD)**  
Dissertation: The perception of  
the movement of sound sources within  
an ambisonic playback system

2015-2017 **Master Sc.**  
Final project: Surround sound system:  
calibration, recording and mix

2012-2015 **Bachelor**  
Final project: Binaural recording  
enhanced with signals from the spot  
microphones

2001-2007 Music School  
Instrument - Piano

## PROFESSIONAL SOCIETY AFFILIATIONS

|Acoustic Engineering Society  
(AES) Member  
|TC-MLAI and TC-Spatial Audio  
Board Member  
|Acoustic Society of America  
(ASA) Member

## ADDITIONAL INFORMATION

Languages:  
Polish (native),  
English (C1 certificate),  
Spanish (A2), German (A2)  
Hobby:  
popular science, cosmology,  
pool, figure skating  
Driving license (B2)

## PROFESSIONAL EXPERIENCE

### | University of York x Google

12-2024 – present

Researcher: IAMF Spatial Audio Format – Perceptual Evaluation of  
Binaural Renderer

### | Freelance (SoundScape company)

2022 – present

**Dolby Atmos** mixing (credits: *Nosferatu* /Robin Carolan)

Research focused on **immersive sound experiences** (collaboration with  
PlayStation, University of Huddersfield)

Creating testing materials for binaural decoders (Virtuoso, Illusonic,  
SoundParticles)

Immersive podcast production, sound design: for [Audioteka](#), [Sphera](#),  
[Audible](#)

Founder: **ECHO Project** -A Collaborative Research Project on 3D  
Microphone Array Techniques for Orchestral Recording

[www.echo-project.com](http://www.echo-project.com)

### | LifeScore Music

2022 - 2024

- **Associate Audio Producer** (full-time):
- Collaborated with Lead Composer/Producer and sound designers on high-profile projects, including [AUDI](#) and [Bentley interactive soundtracks](#), David Gilmour [The Orb](#) AI release, Sleeping At Last – [Space for Sleep](#)
- Sound design focused on soundscapes, environments
- Led Quality Assurance and database management, automating post-production processes, resulting in a 70% increase in efficiency.
- Contributed to the development and troubleshooting of parametric audio engine using signal analysis tools.
- Assisted in recording and mixing sessions, ensuring top-quality audio production

### | AGH University of Science and Technology

2017 - 2023

- **Assistant (full-time):**  
- teaching recording techniques, spatial audio technologies and immersive music production
- **PhD:** carrying out the research in the field of psychoacoustics in spatial audio, spatial audio recording techniques and soundscapes
- **Sound engineer Studio AGH** - [Kotłownia](#) (recording, mixing and teaching)

### | Film Music Festival FMF Kraków

2018 – present (annual event)

- Coordinator of the Film Music Festival - Audio Visual Forum, carrying out workshops about immersive audio tools and techniques for young composers (Young Talent Award competitors). Organiser of [immersive concerts](#).

### | RMF Classic Radio

09.2017–07.2022

- **Radio producer** (part time): on-air transmission, audio post-production, audio editing, vocal processing

### | Harris Piano Jazz Bar

2015-2017

- **Live sound engineer**

### | Honors and Awards

\*1st Prize at S3DACP, 2019, Ilmenau, during the ICSA Conference

\*2nd Prize at 147th AES Student's Recording Competition, 2019, New York

\*2nd Prize at S3DACP, 2018, Cologne, TMT Tonmeistertagung

\*3rd Prize at 147th AES Saul Walker Student's Design Competition, 2019 NY

\*3rd Prize at 145th AES Student's Recording Competition, 2017, Milan

\*2nd Prize – "Podcast of the year: Nurt Równoległy"

\*Nomination to the Grand Press for the podcast – Nurt równoległy

Soundgirls travel fund 2019

CIRE ASA (Acoustic Society of America) Grant 2020