

Sławomir K. Zieliński, Ph.D., D.Sc.

Academic CV

ORCID iD [0000-0002-3205-974X](https://orcid.org/0000-0002-3205-974X)

Białystok University of Technology

Current position: University Professor

Faculty of Computer Science
Department of Digital Media and Computer
Graphics
ul. Wiejska 45A
15-351 Białystok, Poland
tel. +48 85 746 91 13
e-mail: s.zielinski@pb.edu.pl

1. EMPLOYMENT

2014 – present	BIAŁYSTOK UNIVERSITY OF TECHNOLOGY Faculty of Computer Science Department of Digital Media and Computer Graphics Białystok, Poland	University Professor
2009 – 2016	TECHNICAL SCHOOLS IN SUWAŁKI Suwałki, Poland	Teacher in Information and Communications Technologies
2000 – 2009	UNIVERSITY OF SURREY Institute of Sound Recording Guildford, UK	Research Fellow 2000 – 2003 Lecturer 2003 – 2009
1998 – 1999	POLISH-JAPANESE ACADEMY OF INFORMATION TECHNOLOGY Multimedia Department, Warsaw, Poland	specific task contract [<i>umowa o dzieło</i>] Lecturer and Lab Supervisor
1992 – 2000	GDAŃSK UNIVERSITY OF TECHNOLOGY Faculty of Electronics, Telecommunications and Informatics Sound Engineering Department Gdańsk, Poland	Teaching and Research Assistant [<i>asystent</i>] 1992 – 1998 Assistant Professor [<i>adiunkt</i>] 1998 – 2000

2. EDUCATION

2016	D.Sc. IN TELECOMMUNICATIONS Gdańsk University of Technology, Faculty of Electronics, Telecommunications and Informatics
1997	Ph.D. IN TELECOMMUNICATIONS Gdańsk University of Technology, Faculty of Electronics, Telecommunications and Informatics
1992	M.Sc. IN TELECOMMUNICATIONS Gdańsk University of Technology, Faculty of Electronics, Telecommunications and Informatics
1993	POSTGRADUATE STUDIES IN TEACHING Gdańsk University of Technology

3. RESEARCH ACTIVITIES

The research work undertaken by Dr Zieliński was initially focused on the development of sound synthesis algorithms and the application of signal processing algorithms to multimedia systems (1992-2000). Subsequently, during his employment at Surrey University, the main focus of his research activities was directed to psychoacoustics of spatial audio (2000-2009). Recently, he has extended his research interests to the area of machine-learning and its applications to spatial audio (2009-present).

4. ACHIEVEMENTS AND AWARDS

Authorship or co-authorship of 88 scientific papers	1994-2020
Co-authorship of US Patent, System, devices and methods for predicting the perceived spatial quality of sound processing and reproducing equipment, US 8238563 B2	2012
BBC R&D Award for Research Related to Broadcasting at the University of Surrey – received jointly with Prof. Rumsey	2003
Ph.D. dissertation Distinction Award presented by the Prime Minister of Poland	1998
Two Marek Kwiek's Awards from the Acoustical Society of Poland	1995, 1997

5. PROFESSIONAL ACTIVITIES

Principal investigator of the three-year research project sponsored by the Engineering and Physical Sciences Research Council, UK (EPSRC, £92 000). Co-investigator on the EPSRC-funded research project involving British and Danish industrial partners: BBC R&D and B&O (£279 000).

Reviewer for Journal on Advances in Signal Processing EURASIP, Journal of the Audio Engineering Society, Archives of Acoustics, International Journal of Biometrics, IEEE Transactions on Multimedia, Quality and User Experience, Applied Sciences

Examiner of Ph.D. dissertation at AGH University of Science and Technology, Poland
Internal examiner of two Ph.D. dissertations at the University of Surrey, UK

Examiner of M.Sc. dissertation at the University of Huddersfield, UK
Examiner on 6 MPhil/PhD Upgrade vivas at the University of Surrey, UK

Co-supervisor of 6 Ph.D. students

Co-ordinator of one of the sessions at the International Telecommunication Union
ITU-T workshop on "From Speech to Audio: bandwidth extension, binaural perception", Lannion, France, 10-12 September 2008

Member of professional organisations: Audio Engineering Society (1994-present), Committee Member of the British Section of the Audio Engineering Society in London (2006-2008).

6. TEACHING ACTIVITIES

a. GDAŃSK UNIVERSITY OF TECHNOLOGY, Faculty of Electronics, Telecommunications and Informatics

Lectures	Synthesisers of Sound, Recording Technology, Audio-Visual Studio Recording Techniques
Laboratory Classes	Laboratory of Synthesisers of Sound, Laboratory of Sound Reinforcement, Laboratory of Musical Acoustics, Laboratory of Sound and Vision Processing, Laboratory of Terminals in Telecommunications

**b. POLISH-JAPANESE INSTITUTE OF INFORMATION TECHNOLOGY, Department of Multimedia
(additional employment under a specific task contract [umowa o dzieło], 1998-1999)**

Lectures	Sound Synthesis Methods
Laboratory Classes	Laboratory of Acquisition and Transmission of Data

c. UNIVERSITY OF SURREY, Institute of Sound Recording, UK

Lectures	Electroacoustics, Audio Signal Processing, Sound Synthesis
Laboratory Classes	Audio Laboratory
Additional Teaching Responsibilities	Professional Placement Tutoring Running four workshop sessions for postgraduate students in statistical data analysis

d. BIAŁYSTOK UNIVERSITY OF TECHNOLOGY, Faculty of Computer Science

Lectures	Modelling quality of experience in multimedia systems, Modern methods and information techniques in academic teaching (lectures taught to post-graduate students)
Study Groups	Fundamentals of Electrical and Electronics Engineering
Laboratory Classes	Electronic Devices and Measurement Techniques, Digital Techniques, Signal Processing

7. ADMINISTRATIVE ACTIVITIES

a. Admissions Tutor

In the academic year 2004-2005 the author filled the duties of an *Admissions Tutor* for the undergraduate course in *Music and Sound Recording (Tonmeister)* at the University of Surrey, UK. His responsibilities included the initial selection of the applications from the candidates to the course, co-ordination of the activities during the open days, co-ordination and participation in the interviews with the candidates, and making a final decision on admission to the course.

b. Campus Warden

Between 2003 and 2009 the author of this document served as a Deputy Warden and then as a Warden in one of the campus courts of the University of Surrey. Towards the end of this period, in the academic year 2008-2009, he was responsible for approximately 500 students living in the campus of the University of Surrey. His responsibilities included helping students to settle in campus, helping students to resolve difficult situations, and imposing disciplinary sanctions on the students in breach of the university campus regulations.

c. Co-ordinator of the Faculty Accreditation Group

Since 2017, Dr Zieliński has co-ordinated the activities of the Accreditation Group at Faculty of Computer Science, Białystok University of Technology. The responsibilities of the group are related to learning and teaching quality assurance procedures at the above University.

September 2020