

Ioannis - John N. Mourjopoulos, Professor

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Date of birth: 25/10/1954

Current position: Professor on Electroacoustics and Digital Audio Technology, University of Patras, Patras, Greece

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Education

Bachelor of Science (BSc Hons.) in Engineering, Coventry University, 1977

Master of Science (MSc) in Acoustics, Southampton University, Institute of Sound and Vibration Research, 1979,

Doctor of Philosophy in DSP & acoustics, (PhD) Southampton University, Institute of Sound and Vibration Research, 1985

Academic career

Researcher: Southampton University 1984-1985, 1986

Teaching assistant: University of Patras, 1986

Lecturer: University of Patras, 1988-1992,

Assistant Professor: University of Patras, 1992-2000,

Visiting Professor: Institut für Kommunikations-akustik, Ruhr-Universität, Bochum, 1999

Associate Professor: University of Patras, 2000-2008,

Professor: University of Patras, 2008-today.

University teaching

“Electroacoustics, I, II” 7th and 8th semester, 1988-2016

“Electroacoustics”, 7th semester, 2016-today

“Digital Audio Technology”, 10th semester, 1995-2016, 8th semester, 2016-today

“Information Systems”, 7th semester, (co-teaching), 1997-2011

“Introduction to Electrical Engineering”, 2nd semester, 2016-today (coordinator)

“Introduction to Communication systems”, 6th semester, 2013-today (co-teaching, laboratory)

“Digital Audio Processing”, in Signal Processing and Communication systems-SPCOMS, Inter-departmental Graduate Program, 2000-today

“Acoustic design and digital audio”, Greek Open University, Postgraduate course, 2014 – today, (initiator, lecturer and course director 2015-today)

PhD Supervision

Completed: 11, in progress: 3

Research and academic interests

Digital Signal Processing for audio and acoustic systems

 Digital equalization of electroacoustic systems and listening spaces

 Analysis and modeling of acoustic spaces

 Auditory modeling and psychoacoustics

 Signal coding for digital audio systems

 Audio signal enhancement and noise suppression

Audio system technology

 Direct acoustic emission of digital audio

 Digital amplification, filtering & networked audio systems

 Embedded, hardware and software for real-time audio systems

Acoustic and electroacoustics

 Thermoacoustic transduction

 Acoustic energy harvesting

 Ancient theatre acoustics and virtual acoustic reconstruction of ancient buildings

University committees

1994–today: technical advisor and Committee coordinator, Conference and Cultural Centre, University of Patras

2006–today: member, Committee for Cultural Affairs, University of Patras

2011-today: syllabus committees, Electrical & Computer Eng. Dept., University of Patras.

Project coordination & participation

- 1986–1989: “Linguistic Analysis of the European Languages” EU ESPRIT I project, *researcher*
- 1989 – 1992: “Polyglot” EU ESPRIT II project, *researcher*
- 1992 – 1995: “SAM – A” EU ESPRIT '92 project, *researcher*
- 1991: “Design and development of a digital audio equalisation system”, Greek General Secretariat for Research and Technology PAVE project, *consultant*
- 1993–1994: “Integrated System for Processing Radio Broadcasting Material” MENTOR project in cooperation with SKY 100,4 Radio Station, Athens, Greece, *Scientific coordinator*
- 1994–1997: “Speech and Hearing Representations”, EU HCM2 project, *group leader*
- 1996–1998: “Digital Audio Equalisation Methods for Loudspeaker Applications”, Greek General Secretariat for Research and Technology YPER project in cooperation with ROISTER speakers, Athens, Greece, *Scientific coordinator*
- 1997–2001: “Speech, Hearing and Recognition”, EU TMR project, *group leader*
- 2003–2006: “Hearing Organisation And Recognition of Speech in Europe”, IHP EU project, *group leader*,
- 2004–2006: “Wireless Networked Loudspeakers”, Greek General Secretariat for Research and Technology project, *Subcontractor of Atmel S.A.*
- 2006-2007: “Application of Digital Audio Signal Processing and Dereverberation method, for Electroacoustic systems in the Public Address market” Unibersity of Patras consultancy project with ARCHEAN Technologies, France, *Scientific coordinator*
- 2009-2011: “Development of novel intelligent sensors, MEMSENSE” Greek General Secretariat for Research and Technology project, *Subcontractor*
- 2011-2014: “System for reproduction and smart adaptation of internet multimedia content”, Greek General Secretariat for Research and Technology project, *Subcontractor of Crystal Audio*
- 2012-2014: “Multimedia traditional music database, processing, analysis,synthesis and search”, Thalys-Erasitechnis, EU ESF and national NSRF project, *group leader*
- 2015-2016 “CT-AudioLink Improving aural cultural links between different language communities in Thrace”, EAA EU project, *Scientific coordinator*
- 2010-today: “Aural Assessment By means of Binaural Algorithms”, International intellectual grouping project, *group leader*
- 2019-2021: “Simulated virtual training environment firefighting platform-VSTAF”, Region of Western Greece Project MIS, *group leader*

Product development

- 1994: development of radio program digital audio management – distribution software system (employing MPEG-1, layer II files). The system was distributed by Digigram (suppliers of the MPEG coding-decoding h/w), *project leader*
- 1999: design and development of a digital audio room correction system. (DEAS-100) marketed by Roister S.A., Athens, *project leader*

Advisor

- 1991: electronic music studio design for Patras Municipal School of Music
- 1998: acoustic design for the main hall of the Patras University Conference and Cultural Center (with Th. Timagenis and A. Floros)
- 1999,2005: specifications and installation supervision for the electroacoustic and audiovisual system of the Patras University Conference and Cultural Center
- 1999: acoustic design for the Patras University Science and Technology Museum.

Patents

- 1997: “Digital system for the equalisation of frequency and time response of audio systems and devices”, EU patent - EPO Patent EP0805613
- 1999: “Digital system for the equalisation of frequency and time response of audio systems and devices”, Greek patent, No.Δ.E. 950100467.
- 2014: “Device and Method for Generating Electricity from Acoustic Energy”, EU Patent application. EPO 14004068.4.

Distinguished alumni

- 2013: Accusonus (<https://accusonus.com/company/about-us>) located in Patras, Athens and Boston is founded by Audiogroup ex-members and PhD graduates Alex Tsilfidis and Elias Kokkinis,

Award

- 2006: Fellowship, Audio Engineering Society for “recognition of his significant research work in the analysis of room reverberation, of digital coding of speech signals and of modelling of hearing”

Conferences (Chairman, Committee, Session chair)

- 1996: committee, IEEE International Conference on Electronics, Circuits and Systems
1997: committee, EUROSPEECH 97,
1998: session chairman AES 104th Convention,
1999: AES 106th Convention, 1999, session chairman (Signal Processing).
2002: AES 112th Convention, 2002, session chairman (Signal Processing).
2002: Chairman, 1st Hellenic Institute of Acoustics Conference, Patras, Greece
2003: AES 114th Convention, 2003, session chairman (Signal Processing).
2004: committee, 2nd Hellenic Institute of Acoustics Conference, Thessaloniki, Greece
2006: committee, 3rd Hellenic Institute of Acoustics Conference, Heraklion, Greece
2006: committee, CSNDSP 2006, Patras, Greece
2008: committee, 4th Hellenic Institute of Acoustics Conference, Xanthi, Greece
2010: AES 128th Convention, 2010, session chairman (Signal Processing).
2010: committee, 5th Hellenic Institute of Acoustics Conference, Athens, Greece
2011: AES 130th Convention, 2010, session chairman (Signal Processing).
2011: DSP 2011 Conference, Session Chairman
2011: Chairman, 1st European Acoustics Association and Hellenic Institute of Acoustics Conference on the “Acoustics of Ancient Theatres”, Patras, Greece
2012: committee, 6th Hellenic Institute of Acoustics Conference, Corfu, Greece
2014: scientific committee, session chair 40th International Computer Music Conference & 11th Sound and Music Computing Conference, Athens, Greece
2014: committee, 7th Hellenic Institute of Acoustics Conference, Thessaloniki, Greece
2015: scientific committee, session chair, Audio Mostly 2015, Thessaloniki, Greece
2016: committee, 8th Hellenic Institute of Acoustics Conference, Athens, Greece
2018: committee, session chair, EURONOISE 2018, Heraklion, Greece
2019: TCP, 2019 IEEE Workshop on Applications of Signal Processing to Audio and Acoustics (WASPAA)
2019: TCP, 2019 27th European Signal Processing Conference (EUSIPCO)

Invitations (selected list)

- 2002: Invited Speaker, 28th Annual Conference of the German Acoustical Society (Deutsche Gesellschaft für Akustik, D.A.G.A.), Bochum, Germany
2004: Invited Workshop «Interfacing Loudspeaker and Rooms», Audio Engineering Society 116th Convention, Berlin.
2006: Invited Speaker, 30th Audio Engineering Society Conference on Intelligent Audio Environments, Saariselka, Finland.
2006: Invited seminar presentations, Aalto University, Helsinki.
2007: Invited seminar presentation, Ørsted, DTU Technical University of Denmark, Copenhagen.
2011: Invited paper presentations, Forum Acusticum, Aalborg, Denmark
2014: Invited presenter for the acoustics of the Epidaurus ancient theatre, Terra X – «Große Völker: Die Griechen», ZDF TV.
2014: Invited paper presentations, Forum Acusticum, Krakow, Poland
2014: Invited keynote speaker, 2nd Mediterranean Acoustics Festival, Limassol, Cyprus,
2015: Invited external assessor for professor promotion, School of Electrical Engineering, Aalto University, Finland.
2015: Invited talk “The Origins of Building Acoustics for Theatre and Music Performances”, Acoustical Society of America Spring Meeting, Pittsburg, USA.

PhD external examiner (abroad)

- 2002: Buchholz Joerg, Elektrotechnik und Informationstechnik der Ruhr-Universität, Bochum, Germany.
2002: Johansen Lars, Institute of Electronic Systems, Aalborg University, Denmark.
2006: Mendoza Lopez Jorge, Electrical Engineering Dept., University of Brighton, England
2009: Tikander Miikka, Department of Signal Processing and Acoustics, HUT - TKK, (now Aalto University), Helsinki, Finland
2010: Yesenia Lacouture Parodi, Institute of Electronic Systems, Faculty of Engineering and Science, Aalborg University, Denmark.

2011: Karatsovis Christos, Institute of Sound and Vibration Research, Southampton University, UK

2012: Ahonen Jukka, Dept. of Signal Processing and Acoustics, Aalto University, Finland

2014: Bahne Adrian, Faculty of Science and Technology, Uppsala University, Sweden.

Reviewing

1988-today reviewer for numerous many scientific journals, conferences and books

2012 guest editor, Acta Acustica united with Acustica special issue

2018 Assistant Technical Editor, Journal of the Audio Engineering Society

Societies

Member, Institute of Electrical and Electronics Engineers (IEEE)

Member, Audio Engineering Society (AES)

Chairman (1993-95), co-chairman (2007-today) Greek section, Audio Engineering Society

Board member (2010-today), Hellenic Institute of Acoustics (HELINA)

Publications

Refereed Journals: 43, International Conferences: 95, National Conferences: 54, Book Chapters: 5. Citations: 2681, h-index: 23, i10-index: 50, (source: Google Scholar, June 2019)

Selected journal and conference publications

- [1] Ch. Papadakos, J. Mourjopoulos, "Acoustic Energy Harvesting Inside Loudspeaker Enclosures", J. Aud. Eng. Soc. Volume 66 Issue 7/8 pp. 516-524; July/Aug. 2018..
- [2] Ch. Papadakos, J. Mourjopoulos, "A Study of Acoustical-Mechanical Coupling for Acoustic Energy Harvesting", Acta Acustica united with Acustica, 101(6):1185-1188, November 2015.
- [3] J. Mourjopoulos "The Origins of Building Acoustics for Theatre and Music Performances", Acoustical Society of America Spring Meeting, Pittsburg, USA, 2015 **(invited paper)**
- [4] S. Polychronopoulos, D. Skarlatos, J. Mourjopoulos, "Efficient Filter-Based Model for Resonator Panel Absorbers", J. Aud. Eng. Soc. Volume 62 Issue 1/2 January 2014.
- [5] J. Mourjopoulos, "A paradigm shift for modeling sound sensation", 40th International Computer Music Conference & 11th Sound and Music Computing Conference, 2014.
- [6] V. Kostakis, E. Georganti and J. Mourjopoulos, "Exploiting phase coherence in the analysis of binaurally recorded signals", Forum Acusticum, Krakow, Poland, 2014. **(Invited paper).**
- [7] E. Georganti, N. Dillier and J. Mourjopoulos, "Measuring perception of coloration due to early reflections on binaural room impulse responses", Forum Acusticum, Krakow, Poland, 2014. **(Invited paper).**
- [8] F. Kontomichos, E. Georganti, A. Tsilfidis, J. Mourjopoulos, "Auralisation of masked actor performances in the ancient Greek theatre of Epidaurus", Forum Acusticum, Krakow, Poland, 2014. **(Invited paper).**
- [9] E. Georganti, T. May, S. van den Par, J. Mourjopoulos, "Sound Source Distance Estimation in Rooms based on Statistical Properties of Binaural Signals", IEEE Trans. on Audio, Speech and Lang. Proc., Vol. 21 (8), p. 1727-1741, July/August 2013.
- [10] A.Tsilfidis, I. Mporas, J. Mourjopoulos and N. Fakotakis, "Automatic speech recognition performance in different room acoustic environments with and without dereverberation preprocessing", Computer Speech and Language, Vol. 27(1), p. 380-395, 2013.
- [11] S. Psarras, P. Hatziantoniou, M. Kountouras, N-A. Tatlas, J. Mourjopoulos, D. Skarlatos, "Measurement and Analysis of the Epidaurus Ancient Theatre Acoustics", Acta Acustica united with Acustica, vol.99, 2013.
- [12] A.Tsilfidis, T. Vovolis, E. Georganti and J. Mourjopoulos, "Function and Acoustic Properties of Ancient Theatre Greek Masks", Acta Acustica united with Acustica, , 2013.
- [13] E. K. Kokkinis, J. D. Reiss and J. Mourjopoulos, "A Wiener Filter Approach to Microphone Leakage Reduction in Close-Microphone Applications", IEEE Trans. on Audio, Speech and Lang. Proc., Vol. 20 (3), p. 767-779, March 2012.
- [14] E. Georganti, T. May, S. van de Par, A. Harma and J. Mourjopoulos, "Speaker Distance Detection using a Single Microphone", IEEE Transactions on Audio, Speech, and Language Processing, Vol.19 (7), p. 1949-1961, September 2011.
- [15] A. Tsilfidis, J. Mourjopoulos, "Blind single-channel suppression of late reverberation based on perceptual reverberation modeling", Journal of the Acoustical Society of America, 129(2), 2011.
- [16] A. Kohlrausch, J. Blauert, J. Braasch, S. Colburn, J. Culling, T. Dau, V. Hohmann, U. Jekosch, J. Mourjopoulos, V. Pulkki, A. Raake, "Introducing the AABBA project: Aural

- Assessment By Means of Binaural Algorithms”, Forum Acusticum (**invited paper**), Aalborg, Denmark, 2011.
- [17] A. Tsilfidis, E. Georganti and J. Mourjopoulos, "A generalized framework for binaural spectral subtraction dereverberation", Forum Acusticum (**invited paper**), Aalborg, Denmark, 2011.
- [18] E. Georganti, T. May, S. van de Par, A. Harma and J. Mourjopoulos, "Speaker Distance Detection using a Single Microphone", to appear in the IEEE Trans. on Audio, Speech, and Language Processing, Vol.19(7), pp.1949-1961, Sept. 2011
- [19] T. Zarouchas, and J. Mourjopoulos, "Modeling Perceptual Effects of Reverberation on Stereophonic Sound Reproduction in Rooms", Journal of the Acoustical Society of America, 126(1), July 2009.
- [20] N. A. Tatlas, F. Kontomichos and J. Mourjopoulos, "Design and Performance of a Sigma-Delta Digital Loudspeaker Array Prototype", Journal of the Audio Engineering Society, Vol.57 (1/2), January-February 2009.
- [21] B-R. Pedersen, F. Kontomichos and J. Mourjopoulos, "Performance Analysis of Digital Loudspeaker Arrays", Audio Engineering Society, Vol. 56(9), September 2008.
- [22] A. Floros, N.-A. Tatlas, J. Mourjopoulos, "BlueBox: A cable-free Digital Jukebox for compressed-quality Audio Delivery", IEEE Transactions on Consumer Electronics, Volume 51, No.2, May 2005
- [23] P. Hatziantoniou and J. Mourjopoulos "Errors in Real-Time Room Acoustics Dereverberation", Journal of the Audio Engineering Society, Vol. 52, No. 9, pp. 883-899, September 2004.
- [24] A. Tsilfidis, E. Georganti and J. Mourjopoulos, "Binaural extension and performance of single-channel spectral subtraction dereverberation algorithms", to be presented in IEEE ICASSP, Prague, Czech Republic, 2011.
- [25] F. Kontomichos, A. Koutsioubas, J. Mourjopoulos, N. Spiliopoulos, "Thermoacoustic Loudspeaker Prototype Testing", Audio Engineering Society 126th Convention, 2009.
- [26] F. Kontomichos, A. Koutsioubas, J. Mourjopoulos, N. Spiliopoulos, "A Thermoacoustic Device for Sound Reproduction", Acoustics '08 International Conference, Paris 2008.
- [27] J. Mourjopoulos, "Limitations of All-digital, Networked Wireless, Adaptive Audio Systems", Audio Engineering Society 30th Conference, Saariselka, Finland, March 2007.
- [28] F. Kontomichos, N. A. Tatlas and J. Mourjopoulos, "Alternative Encoding Techniques for Digital Loudspeaker Arrays", Audio Engineering Society 122th Convention, 2007.
- [29] J. Mourjopoulos, "Limitations of All-digital, Networked Wireless, Adaptive Audio Systems", Audio Engineering Society 30th Conference, Saariselka, Finland, March 2007 (**invited paper**).
- [30] M. Karjalainen, T. Paatero, J. Mourjopoulos, P. D. Hatziantoniou, "About room response equalization and dereverberation", IEEE Workshop on Applications of Signal Processing to Audio and Acoustics (IEEE WASPAA'05), NewPaltz, New York, 2005.
- [31] A. Floros and J. Mourjopoulos, "Distortion-free 1-bit PWM Coding for Digital Audio Signals", EURASIP Journal on Advances in Signal Processing Volume 2007 (2007)
- [32] Floros, N.A. Tatlas, J. Mourjopoulos, "A High-Quality Digital Audio Delivery Bluetooth Platform", IEEE Transactions on Consumer Electronics, Volume 52, No.3, August 2006.
- [33] A. Floros, N.-A. Tatlas, J. Mourjopoulos, "BlueBox: A cable-free Digital Jukebox for compressed-quality Audio Delivery", IEEE Transactions on Consumer Electronics, Volume 51, No.2, May 2005
- [34] Buchholz J. M. and Mourjopoulos J. N., "A Computational Auditory Masking Model based on Signal Dependent Compression. I & II. Model Description and Performance Analysis", Acta Acustica united with Acustica, 90 (5), pp. 873-886, September/October 2004.
- [35] P. Hatziantoniou and J. Mourjopoulos "Errors in Real-Time Room Acoustics Dereverberation", Journal of the Audio Engineering Society, Vol. 52, No. 9, 2004.
- [36] Vassilantonopoulos S. L. and Mourjopoulos J. N., "A Study of Ancient Greek and Roman theater Acoustics", Acta Acustica united with Acustica, 89 (1), pp. 123-130, January/February 2003.
- [37] N.-A. Tatlas, A. Floros, P. Hatziantoniou, and J. Mourjopoulos, "Towards the All-Digital Audio/Acoustic Chain: Challenges And Solutions", presented at the Audio Engineering Society 23th Conference, Copenhagen,, May 2003.
- [38] S. Vassilantonopoulos and J. Mourjopoulos, "Virtual acoustic reconstruction of ritual and public spaces of Ancient Greece", Acta Acustica united with Acustica, 87 (5), pp. 604-609, September/October 2001.
- [39] J. Buchholz, N. Mourjopoulos, J. Blauert, "Room Masking: Understanding and Modelling the Masking of Room Reflections", presented at the Audio Engineering Society 110th Convention, Amsterdam, May 2001.

- [40] A. Floros, N. A. Tatlas and J. Mourjopoulos, "A Distortion-free PWM Coder for All-digital Audio Amplifiers", presented at the Audio Engineering Society 110th Convention, Amsterdam, May 2001.
- [41] P. Hatziantoniou, J. Mourjopoulos, "Generalized Fractional-Octave Smoothing of Audio and Acoustic Responses", Journal of the Audio Engineering Society, Vol. 48(4), 2000.
- [42] Floros A., Mourjopoulos J., "Analytic Derivation of Audio PWM Signals and Spectra", Journal of the Audio Engineering Society, Vol. 46, No. 7/8, July/August 1998.
- [43] Tsoukalas D., Mourjopoulos J., Kokkinakis G., "Perceptual Filters for Audio Signal Enhancement", Journal of the Audio Engineering Society, Vol. 45,(1/2), Jan./Feb. 1997.
- [44] Tsoukalas D., Mourjopoulos J., Kokkinakis G., "Low Bitrate Speech Coding by Perceptually-Optimized Noise Excitation Modulation", Signal Processing 56, Jan. 1997.
- [45] Tsoukalas D., Mourjopoulos J., Kokkinakis G., "Speech Enhancement based on Audible Noise Suppression (ANS)", IEEE Trans. Speech and Audio Proc., Vol. 5 (6,) Nov. 1997.
- [46] Paraskevas M., Mourjopoulos J., "A Differential Perceptual Audio Coding Method with Reduced Bitrate Requirements", IEEE Trans. Speech and Audio Proc., November 1995.
- [47] Mourjopoulos J., "Digital Equalization of Room Acoustics", Journal of the Audio Engineering Society, Nov. 1994.
- [48] Nikolaidis S., Mourjopoulos J., Goutis E., "A Dedicated Processor for Time-varying Digital Audio Filters", IEEE Trans. on Circuits and Systems, 40(7), July 1993.
- [49] Tsoukalas D., Mourjopoulos J., "Neural Network Processing for Noisy Acoustic Signal Enhancement", Acoustics Bulletin, 1993.
- [50] Tsoukalas D., Paraskevas M., Mourjopoulos J., "Speech Enhancement using Psychoacoustic Criteria", IEEE Int. Conf. on Acoustics, Speech and Signal Processing, ICASSP '93, Mineapolis, 1993.
- [51] Paraskevas M., Mourjopoulos J., Kokkinakis G., "Audio Coding based on Subjective Differences", Audio Engineering Society 94th AES Convention, Berlin, 1993.
- [52] Tsoukalas D., Mourjopoulos J., Kokkinakis G., "Neural Network Speech Enhancer Utilising Masking Properties", Eurospeech, Sept. 1993.
- [53] Mourjopoulos J., Tsoukalas D., "Neural Network Mapping to Subjective Spectra of Music Sounds", Journal of the Audio Engineering Society, Vol. 40(4), pp. 253-259, 1992.
- [54] Mourjopoulos J., Paraskevas M., "Pole and Zero Modeling of the Room Transfer Function", Journal of Sound and Vibration, Vol. 146(2), pp. 281-302, 1991.
- [55] Mourjopoulos J., Kyriakis-Bitzaros E., Goutis E., "Theory and Real-time Implementation of Time Varying Digital Audio Filters", Journal of the Audio Engineering Society, Vol. 38, pp. 523-536, 1990.
- [56] Mourjopoulos J., "Digital Equalization Methods for Audio Systems", Audio Engineering Society 84th AES Convention, Paris, preprint 2598, 1988.
- [57] Mourjopoulos J., "On the Variation and Invertibility of Room Response Functions", Journal of Sound and Vibration", Vol. 102(2), pp. 217-288, 1985.
- [58] Clarkson P.M., Mourjopoulos J., Hammond J.K., "Spectral, Phase and Transient Equalization of Audio Systems", Journal of the Audio Engineering Society, Vol.33(3), 1985.
- [59] Mourjopoulos J., Hammond J.K., "Modelling and Enhancement of Reverberant Speech using an Envelope Convolution Method", Proc. IEEE Int. Conf. on Acoustics, Speech and Signal Processing, ICASSP '83, Boston,
- [60] Mourjopoulos J., Clarkson P.M., Hammond J.K., "A Comparative Study of Least-squares and Homomorphic Techniques for the Inversion of Mixed-phase Signals", Proc. IEEE ICASSP 1982, Paris

Book chapters

- [1] J. Mourjopoulos, "Modeling the aesthetics of audio scene reproduction", "The Technology of Binaural Understanding", J. Blauert editor, Springer 2019 (in preparation).
- [2] E. Georganti, T. May, S. van der Par, J. Mourjopoulos, "Extracting Room and Source-distance Information from Binaural Signals", chapter in the book "The Technology of Binaural Hearing", J. Blauert editor, Springer 2013.
- [3] A. Tsilfidis, A. Westermann, J. Buchholz, E. Georganti, J. Mourjopoulos, "Binaural Dereverberation", chapter in the book "The Technology of Binaural Hearing", J. Blauert editor, Springer 2013.
- [4] J. N. Mourjopoulos, "The Evolution of Digital Audio Technology", chapter in the book "Communication Acoustics", J. Blauert editor, Springer 2005.
- [5] Tsopanoglou A., Mourjopoulos J., Kokkinakis G., "Speech Representation by the use of Instantaneous Frequency", "Visual Representations of Speech Signals", M.Cook, S.Beet eds., J. Wiley and sons Ltd., 1992.