

CURRICULUM VITAE (04 March 2013)

PERSONAL INFORMATION

First Name ALEKSANDER
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Date of birth January 11th, 1978
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Address Laboratory of psychophysiology, Saint Petersburg State University,
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Languages **Russian, Estonian** – native; **English** – fluent; **Swedish, Spanish** – basic level



EDUCATION

2006 – 2007 Ph.D., Div. of Applied Acoustics, Chalmers University of Technology (CTH), Gothenburg, Sweden
2003 – 2005 Tech. Licentiate, Dept. of Signals and Systems, CTH, Sweden
2001 – 2003 M.Sc. in Digital Communication Systems and Technology, CTH, Sweden
1996 – 2000 B.Sc., Department of Radio and Communications Engineering, Tallinn University of Technology (TUT), Estonia
1985 – 1996 Physics and mathematics major (with distinction). Lasnamäe Russian Gymnasium, Tallinn, Estonia

GRANTS / STIPENDS

2013 – 2015 FP7 Marie Curie Action – International Outgoing Fellowship, Project “B-Reactable” (303172), (granted amount 188.000 € EU contribution)
2010-2011 Co-investigator, Explora project (TEC2010-11599-E), Principal investigator: Prof. Sergi Jorda, Spanish Ministry of Science and Innovation, (granted amount 45.000 €)
2009-2010 Principal Investigator, Plan Nacional (TEC2009-13780), Spanish Ministry of Science and Innovation, (granted amount 16.000 €)
2007 ICREA Empresa junior (5-year position at Barcelona Media) - refused due to personal reasons
2003 – 2005 Personal stipend for Licentiate studies from Alfred Ots’ scholarship foundation, Sweden
2001 – 2003 Personal stipend for M.Sc. studies from Alfred Ots’ scholarship foundation, Sweden

EMPLOYMENT EXPERIENCE

Confidential Independent expert assisting the European Commission for the evaluation of FP7 framework program projects
2013 (Feb.)-2014 (Feb.) Principal research fellow (Marie Curie IOF), Department of Higher Nervous Activity and Psychophysiology, Saint Petersburg State University, Saint Petersburg, Russian Federation
2012 (Feb.) - Director of NeuroGenetics Media Lab, CIANT (International Center for Art and New Technologies in Prague), Czech Republic
2011 (Nov.) – 2012 (July) Post-doctoral senior researcher, Laboratory of Neuropsychology (Dr. Guilherme Wood), Department of Psychology, University of Graz, Austria
2011 (Feb.) – 2011 (Dec.) Post-doctoral senior researcher, Laboratory of Brain-Computer Interfaces (Prof. Christa Neuper), Institute for Knowledge Discovery, Technical University of Graz, Austria
2008 (Feb.) - 2010 (Nov.) Post-doctoral researcher, director of psychophysiology lab, SPECS Laboratory (Prof. Paul Verschure), Department of Technology, University of Pompeu Fabra, Barcelona, Spain
2008 (Oct.) - 2010 (Oct.) Assistant professor, Department of Technology, University of Pompeu Fabra, Barcelona, Spain
2007 (Oct.) - 2008 (Jan.) Post-doctoral researcher, Innovation center “Barcelona Media”, Barcelona, Spain
2007 (March - June) Visiting researcher at NTT Communication Science Labs, NTT Corporation, Kanagawa, Japan (collaborator: Dr. Norimichi Kitagawa)
2006 (April - Oct.) Visiting researcher at Cognitive Neuroscience Research Group, Universitat de Barcelona, Barcelona, Spain (collaborator: Dr. Salvador Soto Faraco)
2004 (Oct.) – 2007 (Sept.) Research assistant, Division of Applied Acoustics, Chalmers University of Technology, Sweden
1998 – 2001 Engineer, R&D department, Estonian Public Broadcasting (www.err.ee), Tallinn, Estonia

RESEARCH PROJECTS

- 2011 (Nov) ICT FP7 STREP, CONTRAST (287320), “An individually adaptable, BNCI-based, remote controlled Cognitive Enhancement Training for successful rehabilitation after stroke including home support and monitoring”
- 2011 (Feb.) – 2011 (Dec.) ICT FP7 CSA, Future BNCI (248320), “Future Directions in Brain/Neuronal Computer Interaction (BNCI) Research”
- 2011 (Jan.) – 2011 (Dec.) Explora, Spanish Funding (TEC2010-11599-E), “Teclepathy: Mechanisms of unconscious communication in collaborative work environments”, **Co-investigator**
- 2010 (Jan.) – 2010 (Oct.) ICT FP7 STREP, BrainAble (247447), “Autonomy and social inclusion through mixed reality Brain-Computer Interfaces”, at SPECS Laboratory, UPF, Barcelona, Spain
- 2010 (Jan.) – 2010 (Dec.) Plan Nacional, Spanish Funding (TEC2009-13780), “Affective Crossmodal MEDIA Dictionary for personalized modulation of sympathetic nervous system – ACMED”, **Principal investigator**
- 2008 (Feb.) - 2010 (Nov.) “Interventions on emotional responses to pain stimuli in patients with chronic neuropathic pain” project Fundació La Marató de TV3 (071932) at SPECS Laboratory, UPF, Barcelona, Spain
- 2007 (Oct.) - 2008 (Jan.) “i3Media: Tecnologías para la creación y gestión automatizada de contenidos audiovisuales inteligentes”, at the Innovation center “Barcelona Media”, Barcelona, Spain
- 2006 (Jan.) – 2007 (Sept.) ICT FP6 IP, PRESENCIA, “*Presence: Research Encompassing Sensory Enhancement, Neuroscience, Cerebral-Computer Interfaces and Applications*”, Division of Applied Acoustics of Applied Acoustics, CTH, Sweden
- 2004 – 2007 Swedish Research Council (VR) project “*Perceptual optimization of ego-motion perception in Virtual Reality*”, Division of Applied Acoustics, CTH, Sweden
- 2004 – 2005 ICT FP5 STREP, POEMS “*Perceptually Oriented Ego-Motion Simulation*”, Division of Applied Acoustics, CTH, Sweden

OTHER SCIENTIFIC ACTIVITIES

Research interests

Neuroscience of audio-visual media perception and cognition, physiology-based, implicit interaction paradigms; spatial sound appl. and auditory presence, affective chronometry for clinical applications

Teaching experience

Giving lectures in CSIM courses (Interdisciplinary Master in Cognitive Systems and Interactive Media), academic years 2008-2009, 2009-2010:

- Research Methodologies in Humanities and Science (statistics tutorials)
- Alternate Realities (Virtual reality technology and appl.)
- Advanced Interface Design
- Advanced Topics on Content (lectures on Cognitive cinema)

Giving lectures on audio coding algorithms for International Masters Programs at CTH (2006)

Supervision/Co-supervision of Ph.D. theses:

Supervision experience

Mealla, S. (2010-2013) Physiology-driven Tangible Objects for Music Collaboration in a Multimodal Tabletop Interface (Primary supervisor: Prof. Sergi Jorda, MTG/UPF)

Supervision/consulting of M.Sc. theses (SPECS/UPF):

Oliveira M., (2010). Feeling the beat: studying the effects of emotional conditioning on rhythm perception

Merino Sáez, R. (2010). Use brain computer interface (BCI) for non-verbal communication in a virtual environment: Influence of affective state induction in the non-verbal communication

Mealla, S. (2010) Effects of Physiology-Based Interaction on Collaborative Performance: a Study Using a Tabletop System for Sound Generation and Control (joint supervision with Sergi Jorda, MTG, UPF)

Díaz, V. (2010). Physiology-based control of affective audio-visual database

Tsaoussis, E.-N. (2010). Physiology modulated photo-novel: exploring the effects of distance editing

Wierenga, S. (2009). Physiology driven modulation of visual effects

Demitras, M. (2009). Data Association Techniques for Multimodal Emotion Detection (joint supervision with Zenon Mathews)

Hong, A. (2009). Neurofeedback In the Treatment of Phobia

Arroyave, M. (2009). Experience in the artistic process of Matei Glass (thesis work performed for artist Matei Glass)

Rodríguez López, D. (2009). Football emoti-o-meter (thesis work performed for Media Pro)

Supervision of M.Sc. theses (jointly with Prof. Thomas Eriksson):

Fontaine, Y., & Malekafzaliardakani, R. (2005). Study and Implementation of Binaural Cue Coding algorithm

Shahsavari, S., & Montes, H. (2006). Classifying of EEG signals recorded during right- and left-hand finger movements.

Working with external collaborators:

INOV-art program (Portugal). Ana Pesquita (2010). "Emotional Roller-coaster" project

**Reviewer
experience**

Conferences: Auditory presence and sound perception topics for Presence Annual Workshop and Audio Engineering Society;

Journals: Presence-Teleoperators and Virtual Reality; Perception; IEEE Transactions on Affective Computing, ACM-TAP (Transactions on Applied Perception)

SCIENCE POPULARIZATION PROJECTS

- 2012 Video coverage (together with filmmaker Anna Sanmartí) of the 4th BrainGain consortium meeting in Maastricht, the Netherlands, 18-20 December 2011 (<http://vimeo.com/41859972>).
- 2011 Directing (together with filmmaker Anna Sanmartí) the representation video of the conference "Brain Computer Interfacing in 2011: From EEG to cortical implants" (<http://vimeo.com/26976145>).
- 2011 Video interviews (part of the roadmap) for Future BNCI project (<http://future-bnci.org>).
- 2010 Producing media coverage of PRESENCCIA project (interviews with key scientists) for Second Life (<http://www.youtube.com/watch?v=b3E9G0uAGil>).
- 2009 (Sept.) Producer of video documentation of scientific talks at Barcelona Cognition, Brain and Technology annual summer school – BCBT'09 (<http://www.iaa.upf.edu/bcnscs>).
- 2009 (March - Apr.) Technical director of the Multimodal Brain Orchestra (MBO) performance shown at the first Conference for European Future Emerging Technologies, 23rd of April, 2009 in Prague (<http://news.bbc.co.uk/2/hi/science/nature/8016869.stm>).
- 2008 Spatial sound design for interactive installation "Synthetic Oracle" at EuroScience Open Forum (ESOF), July 18-22, Barcelona, 2008 (<http://www.esof2008.org>).
- 2001 Idea and art editing of educational radioprogram from the Radio Night University series on the topic "Egoism ja altruism", lecturers Dr. Andres Luure ja Dr. Margus Mägi (in Estonian, duration 51 min, © Ööülikool, Estonian Radio, 2001, http://www.ylikool.ee/et/13/margus_magi). Art editor: Aleksander Väljamäe, Sound editor: Külli Tüli, 2001.

INVITED TALKS

- Väljamäe, A. (2012). Chair of the presentations panel "Neurogenetic Media: From Research Tools to New Art Applications" at the international conference "Mutamorphosis. Tribute to Uncertainty", Dec. 6-8, Prague, Czech Republic
- Väljamäe, A. (2012). Presentation on the topic: "Professional BCI devices". CATCH Workshop "Cultures / Arts / Technologies / Creations / Handicap: Getting down to it", Jan. 18-20, Prague, Czech Republic
- Väljamäe, A. (2011) Presentations on topics: "BCI: Brain Computer Interfaces" and "Neurocinema". Talks at 6th International Film Festival "The World of Knowledge", Oct. 24-28, Saint Petersburg, Russia.
- Väljamäe, A. & Neuper, C. (2011). Cinema as a research tool: from neurocinema to implicit interaction paradigms. Talk at NeuroIS 2011, June 26-28, Gmunden international workshop, Austria.
- Väljamäe, A. (2008). "Auditory cues for multisensory vection design" invited presentation for the tutorial "Audio in Virtual Environment", 5th International Conference on Enactive Interfaces, Pisa, Italy, 19th Nov
- Väljamäe, A. (2007). "Living media and its applications", invited presentation at the conference "From Visions to Solutions", Estonian Association of Information Technology and Telecommunication, InnoEurope and Estonian Conference Centre, Pärnu, Estonia, 20st of Sept.
- Väljamäe, A. (2006). "Perceptual optimization of new multisensory media", invited presentation at FP7 consultation workshop "The future of digital multimedia services and broadcast technologies", Brussels.
- Väljamäe A., Larsson P., Västfjäll D., and Kleiner M. (2005). "Effects of vibrato-tactile stimulation on auditory induced translational self-motion and auditory presence", presented at the workshop "What's Shakin' You!: Audio-Haptic Interaction" at 119th AES Convention, NY.

THESES

- Väljamäe, A. "Sound for Multimodal Motion Simulators", PhD Thesis, CTH, Göteborg, Sweden. (Supervisor: Prof. Mendel Kleiner, Co-supervisor: Dr. Daniel Västfjäll. Opponent: Prof. Jack Loomis). Sep 2007
- Väljamäe, A. "Self-motion and Presence in the Perceptual Optimization of a Multisensory Virtual Reality Environment", Licentiate's Thesis, CTH, Göteborg, Sweden. December 2005. (Supervisor: Prof. Arne Svensson, Co-supervisor: Dr. Daniel Västfjäll. Opponent: Dr. Salvador Soto-Faraco)
- Väljamäe, A. "A Feasibility Study Regarding Implementation of Holographic Audio Rendering Techniques over Broadcast Networks", Master's Thesis, Chalmers Technical University, Göteborg, April 2003 (Supervisors: Prof. Mendel Kleiner, Dr. Thomas Eriksson)
- Väljamäe, A. "The Development of Computer Assisted Radio Systems at Estonian Radio", Bachelor's thesis, Tallinn University of Technology, Tallinn, Estonia 2000. (December 2000)

PEER-REVIEWED JOURNAL PUBLICATIONS

1. Tikka, P., **Väljamäe, A.**, Borst, A., Pugliese, R., Kaipainen, M., Ravaja, N., & Takala, T. (2012). Enactive cinema paves way towards understanding complex real-time social interaction in neuroimaging experiments. *Frontiers in Human Neuroscience*, 6:298. doi: 10.3389/fnhum.2012.00298
2. Tajadura-Jiménez, A., **Väljamäe, A.**, Toshima, I., Kimura, T., Tsakiris, M., & Kitagawa N. (2012). Action sounds recalibrate perceived tactile distance, *Current Biology*, 22(13), R516-R517.
3. Bernardet, U., **Väljamäe, A.**, Inderbitzin, M., Wierenga, S., Mura, A. & Verschure, P.F.M.J. (2011). Quantifying human subjective experience and social interaction using the eXperience Induction Machine. *Brain Research Bulletin*, 85(5), 305-312.
4. Tajadura-Jiménez A., **Väljamäe, A.**, Kitagawa, N. & Ho, H.N. (2010). Whole-Body Vibration Influences on Front-Back Sound Localization, *Journal of Automobile Engineering*, 224, 1311-1320.
5. Tajadura-Jiménez, A., **Väljamäe, A.**, Asutay, E., & Västfjäll, D. (2010). Embodied auditory perception: the impact of approaching and receding sound sources on emotional responses, *Emotion*, 10(2), 216-229.
6. Tajadura-Jiménez, A., Larsson, P., **Väljamäe, A.**, Västfjäll, D., & Kleiner, M. (2010) When Room Size Matters: Auditory Space Influences on Emotional Response to Sounds, *Emotion*, 10(3), 416-422.
7. **Väljamäe, A.** (2009). Auditorily induced illusory self-motion: a review. *Brain Research Reviews*. 61 (2), 240-255.
8. **Väljamäe, A.**, Larsson P., Västfjäll D., & Kleiner, M. (2009). Auditory landmarks enhance circular vection in multimodal Virtual Reality, *Journal of Acoustic Engineering Society*, 57(3), 111-120.
9. Inderbitzin, M., Wierenga, S., **Väljamäe, A.**, Bernardet, U., & Verschure, P.F.M.J. (2009). Social Cooperation and Competition in the Mixed Reality Space - eXperience Induction Machine, *Virtual Reality*. 13, 153–158.
10. Bermúdez i Badia, S., **Väljamäe, A.**, Manzi, F., Bernardet, U., Mura, A. Manzolli J., et al. (2009) Effects of explicit and implicit interaction on user experiences in a mixed reality installation: The Synthetic Oracle, *Presence: Teleoperators and Virtual Environments*. 18(4), 277-285.
11. Tajadura-Jiménez, A., Kitagawa, N., **Väljamäe, A.**, Zampini, Murray, M. M., & Spence, C. (2009). Auditory-tactile multisensory interactions are spatially modulated by stimulated body surface & acoustic spectra, *Neuropsychologia*, 47 (1), 195–203.
12. Riecke B.E., **Väljamäe, A.**, & Schulte-Pelkum, J. (2009). Moving sounds enhance the visually-induced self-motion illusion (circular vection) in Virtual Reality, *ACM Transactions of Applied Perception*, 6(2).
13. **Väljamäe, A.**, & Soto-Faraco, S. (2008). Filling-in visual motion with sounds, *Acta Psychologica*, 129 (2), 249-254.
14. **Väljamäe, A.**, Tajadura-Jiménez, A., Larsson, P., Västfjäll, D., & Kleiner, M. (2008). Handheld experiences: using audio to enhance the illusion of self-motion, *IEEE MultiMedia*. 15(4), 68 – 75.
15. **Väljamäe, A.**, Tajadura-Jiménez, A., Larsson, P., Västfjäll, D., & Kleiner, M. (2008). Binaural bone-conducted sound in virtual environments: Evaluation of a portable, multimodal motion simulator prototype, *Journal of Acoustic Science and Technology*, 29(2), 149-155.
16. **Väljamäe, A.**, Larsson, P., Västfjäll, D., & Kleiner, M. (2008). Sound representing self-motion in virtual environments enhances linear vection, *Presence: Teleoperators and Virtual Environments*, 17 (1), 43-56.
17. Tajadura-Jiménez, A., **Väljamäe, A.**, & Västfjäll, D. (2008). Self-representation in mediated environments: the experience of emotions modulated by auditory-vibrotactile heartbeat, *CyberPsychology and Behavior*, 11 (1), 33-38.
18. **Väljamäe, A.**, Larsson P., Västfjäll, D., & Kleiner, M. (2006). Vibrotactile enhancement of auditory induced self-motion and presence, *Journal of Audio Engineering Society*, 54(10), 954-963.

PEER-REVIEWED BOOK CHAPTERS

- Wagner, I.C., Daly, I., & **Väljamäe, A.** (2012). Non-visual and multisensory BCI systems: present and future. In Allison, B.Z., Dunne, S., Leeb, R., Millan, J., and Nijholt, A. (eds.) *Towards practical Brain-Computer Interfaces: Bridging the gap from research to real-world applications*. (pp. 375-393). Springer-Verlag Berlin.
- Larsson, P., **Väljamäe, A.**, Västfjäll, D., & Kleiner, M. (in press). Technologies for enhancement of auditory presence. In Lombard, M., Biocca, F., Freeman, J., and IJsselstein, W. *Immersed in Media I: Telepresence Theory, Measurement and Technology*.
- Soto-Faraco, S & **Väljamäe, A.** (2011). Multisensory interactions during motion perception: From basic principles to media applications. In Murray, M.M. & Wallace, M.T. (eds.) *Frontiers in the Neural Bases of Multisensory Processes*. (pp. 579-594). Taylor & Francis.
- Larsson P., **Väljamäe, A.**, Västfjäll D., Tajadura-Jiménez, A., & Kleiner, M. (2009). Auditory-induced presence in mixed reality environments and related technology. In Dubois, E., Nigay, L., Gray, P. (eds.) *The engineering of Mixed Reality Systems*. (pp. 143-162). Springer.
- Bernardet, U., Bermúdez i Badia, S., Duff, A., Inderbitzin, M., Le Groux, S., Manzolli, J., Mathews, Z., Mura, A., **Väljamäe, A.**, & Verschure, P. F. M. J. (2009). The eXperience Induction Machine: A new paradigm for mixed-reality interaction design and psychological experimentation. In Dubois, E., Nigay, L., Gray, P. (eds.) *The engineering of Mixed Reality Systems*. (pp. 357-380). Springer.
- Väljamäe, A.**, & Tajadura-Jiménez, A. (2007) Perceptual optimization of audio-visual media: moved by sound. In Anderson, B. and Anderson, J. (eds.) *Narration and Spectatorship in Moving Images*. (pp. 210-221). Cambridge Scholars Press.

REPRESENTATIVE WORKING PAPERS

- Kober S.E., Wood, G., Kurzmann, J., Friedrich E.V.C., Stangl, M., Väljamäe A., Wippel, T., Neuper, C. Near-infrared spectroscopy based neurofeedback training increases specific motor imagery related cortical activation compared to sham feedback (*submitted*)
- Mealla, S., Jorda, S., & Väljamäe, A. Designing and testing physiology-based interaction for collaborative tasks. (*in preparation*)

PEER-REVIEWED CONFERENCE PAPERS

- Mealla, S., Väljamäe, A., Bosi, M., Jorda, S. (2011). Let Me Listen to Your Brain: Physiology-based Interaction in Collaborative Music Composition. In proceedings of the workshop "Brain and Body Interfaces: Designing for Meaningful Interaction", CHI 2011, May 7–12, 2011, Vancouver, BC, Canada.
- Mealla, S., Väljamäe, A., Bosi, M., Jorda, S. (2011) Listening to Your Brain: Implicit Interaction in Collaborative Music Performances. In proceedings of NIME'2011 International Conference on New Interfaces for Musical Expression, Oslo, Norway, 30 May – 1 June, 2011.
- Inderbitzin, M., Väljamäe, A., Blanco-Calvo, J.M., Verschure, P.F.M.J., & Bernardet, U. (2011) Expression of Emotional States during Locomotion based on Canonical Parameters. In proceedings of EmoSPACE 2011, in conjunction with the IEEE FG 2011 (Automatic Face & Gesture Recognition), Santa Barbara, 21 March, 2011.
- Le Groux, S., Manzolli, J., Verschure, P.F.M.J, Bernardet, U., Guger, C., Luvizotto, A., Sanchez-Fibla, M., Väljamäe, A. & Mura, A. (2010) Disembodied and Collaborative Musical Interaction in the Multimodal Brain Orchestra. NIME'2010: International Conference on New Interfaces for Musical Expression, Sydney Australia, 15-18th June 2010.
- Inderbitzin, M., Väljamäe, A., Blanco-Calvo, J.M., Verschure, P.F.M.J., & Bernardet, U. (2010) Let me see you walk, so I can know how you feel: Canonical parameters for the expression of emotions during locomotion. In Proceedings of Summer School "ENGAGE" - Immersive and Engaging Interaction with VH on Internet. Zermatt, Switzerland. September 13-15, 2010
- Mahmud, M., Hawellek D., & Väljamäe, A. (2009). A Brain-Machine Interface Based on EEG: Extracted Alpha Waves Applied to Mobile Robot, Proceedings of the 2009 ECSIS Symposium on Advanced Technologies for Enhanced Quality of Life (AT-EQUAL 2009), Iasi, Romania, 22-26 July 2009, pp. 28-31.
- Tajadura-Jiménez, A., Väljamäe, A., & Västfjäll, D. (2008). Emotional bias for the perception of rising tones. Journal of Acoustical Society of America 123, 3245, Acoustics08, Paris, 2008
- Inderbitzin, M., Wierenga, S., Bernardet, U., Väljamäe, A., Mura, A., & Verschure, P.F.M.J. (2008) Social Cooperation and Competition in the Mixed Reality Space - eXperience Induction Machine. In Proc. of 11th Annual Workshop Presence, Padova, Italy, October 16-18, 2008.
- Bernardet, U., Inderbitzin, M., Wierenga, S., Väljamäe, A., Le Groux, S., Mura, A. et al. (2008). Autodemo: A Mixed Reality Space explains itself. The Sense of Presence and Recollection Performance in an interactive Narrative. in Proc. of 11th Annual Workshop Presence, Padova, Italy, October 16-18, 2008
- Le Groux, S., Väljamäe, A., Manzolli, J., & Verschure, P.F.M.J. (2008) Implicit Physiological Interaction for the Generation of Affective Musical Sounds, ICMC 2008, Belfast, Ireland
- Tajadura-Jiménez, A., Väljamäe, A., Kitagawa, N., & Västfjäll, D. (2008). Affective multimodal displays: acoustic spectra modulates audiotactile spectra perception. ICAD 2008, Paris.
- Tajadura-Jiménez A., Väljamäe A., Kitagawa, N. & Ho, H.N. (2007). Whole-body vibration influences sound localization in the median plane" in Proc. of 10th Annual Workshop Presence, Barcelona, Spain
- Väljamäe A., & Soto-Faraco, S. "Audio-visual interactions in dynamic scenes: implications for multisensory compression", invited paper at 9th International Congress on Acoustics – ICA'07, Madrid
- Larsson A., & Väljamäe A., "Auditory-visual perception of room size in virtual environments", invited paper at 9th International Congress on Acoustics – ICA'07, Madrid
- Väljamäe, A., Tajadura-Jiménez, A., & Västfjäll, D. "Perceptual Optimization of Audio-Visual Media: Moved by Sound", presented at CCSMI Conference: Narration and Spectatorship in Moving Images: Perception, Imagination, Emotion, Potsdam, Germany, 2006
- Väljamäe, A., Larsson, P., Västfjäll, D., & Kleiner, M. "Travelling without moving: Auditory scene cues for translational self-motion", in Proc. of ICAD'05, Limerick, Ireland, 2005
- Väljamäe, A., Larsson, P., Västfjäll, D., & Kleiner, M., "Auditory Presence, Individualized Head-Related Transfer Functions, and Illusory Ego-Motion in Virtual Environments" in Proc. of 7th Annual Workshop Presence, Valencia, Spain, 2004, pp. 141-147
- Väljamäe A. "Overview and Conclusions from the EBU Seminar "Digital Broadcasting", (in Estonian), in Raadiotehnika'01, pp. 66-71, Tallinn, Estonia, (2001).

CONFERENCE PRESENTATIONS

- Tajadura-Jiménez, A., Väljamäe, A., Toshima, I., Kimura, T., Tsakiris, M., & Kitagawa N. (2012). Action sounds recalibrate perceived tactile distance. Poster presentation at the 16th annual meeting of the ASSC (Association for the Scientific Study of Consciousness), 2-6th of July, Brighton, UK.
- Tajadura-Jiménez, A., Väljamäe, A., Toshima, I., Kimura, T., Tsakiris, M., & Kitagawa N. (2012). Action sounds recalibrate perceived tactile distance. Poster presentation at the 13th annual meeting of the IMRF, 19-22nd of June, Oxford, UK.

- Tajadura-Jiménez, A., Väljamäe, A., Toshima, I., Kimura, T., Tsakiris, M., & Kitagawa N. (2012). Exploring link between hearing and body representation. Japanese Multisensory Research Meeting, Jan 18th 2012, The University of Tokyo
- Väljamäe, A., Wagner, I.C., Allison, B.Z., Neuper, C. (2011). Current non-visual BCIs – how far we are from multisensory BCIs? Talk at fBNCI workshop, 15th of June, Barcelona, Spain
- Mealla, S., Väljamäe, A., Jorda, S. (2011). Implicit Interaction in Collaborative Music Performances. Talk at RAVE 2011, 14th of June, Barcelona, Spain
- Mealla, S., Väljamäe, A., Jorda, S. (2011) Sonification Of Brain And Body Signals In Collaborative Tasks Using A Tabletop Musical Interface. Poster presentation at ICAD'2011, Budapest, Hungary, 20-24 June, 2011.
- Väljamäe, A., Pesquita, A., & Verschure, P.F.M.J. (2010) Studying cross-modal emotional conditioning using distance montage in database narratives. Talk at the Conference of Society for Cognitive Studies of the Moving Image (SCSMI'10). Roanoke, Virginia, USA, June 2-5, 2010
- Steffert, T., Väljamäe, A., Fernandez-Moralez, J., Kropotov, J., Verschure, P.F.M.J., & Pozo-Rosich, P. (2010). Slowing of sensory event related potentials (ERPs) in migraine: Search for an endophenotype. Poster presentation at 16th Annual Meeting of the Organization for Human Brain Mapping, Barcelona.
- Steffert, T., Väljamäe, A., Fernandez-Moralez, J., Kropotov, J., Verschure, P.F.M.J., & Pozo-Rosich, P. (2009). Sensory event related potentials slowing in migraine. Independent components GO/NOGO paradigm: a search for endophenotypes in migraine. *Poster presentation at SEN'09, Barcelona.*
- Väljamäe, A., Steffert, T., Bernardet, U., Gruzelier, J., & Verschure, P.F.M.J. (2009). Studying the effectiveness of immersion for neurofeedback in mixed/virtual reality. *Poster presentation at 14th Annual CyberTherapy (CT14) & CyberPsychology Conference, Lago Maggiore, Italy.*
- Le Groux, S., Väljamäe, A., & Verschure, P.F.M.J. (2009). Towards Interactive Sonic Therapy. *Poster presentation at 14th Annual CyberTherapy (CT14) & CyberPsychology Conference, Lago Maggiore, Italy.*
- Väljamäe, A., Pozo-Rosich, P. & Verschure, P.F.M.J. (2009). Studying mixed feelings in migraineurs using affective picture pairs. *Poster presentation at the International Society for Research on Emotion (ISRE) 2009 Conference, Leuven, Belgium.*
- Tajadura-Jiménez, A., Larsson, P., Väljamäe, A., Västfjäll, D., & Kleiner, M. (2009). When size matters: Auditory room size perception influences the emotional response to sound events. *International Society for Research on Emotion (ISRE) 2009 Conference, Leuven, Belgium.*
- Tajadura-Jiménez, A., Kitagawa, N., Väljamäe, A., Zampini, M., Murray, M. M. & Spence C. (2008). Spatial modulation of auditory-somatosensory interactions: Effects of stimulated body surface and acoustic spectra. Poster presentation at IMRF, Hamburg, 2008
- Friedman, D., Väljamäe, A., Bernardet, U., Zimmerli, L., & Verschure, P.F.M.J. (2008). Design of affective vocabulary for the eXperience Induction Machine, RAVE 2008, Barcelona, Spain
- Kitagawa, N., Tajadura-Jiménez, A., Väljamäe, A., Zampini, M., Murray, M.M., & Spence, C. (2007) Audiotactile enhancement in the space close to the head. Poster for The 26th Annual Meeting of Japanese Psychonomic Society, 8-9th Dec 2007, Sophia University, Tokyo.
- Väljamäe, A., & Soto-Faraco, S. (2007). Filling-in visual motion with sound. Poster presentation at IMRF, Sydney, 2007
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