

Personal information

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Education and degrees completed

14/09/2016 Doctor of Science (Technology) in Acoustics, Aalto University School of Science, Department of Computer Science, Espoo, Finland

23/01/2012 Master of Science (Technology) in Communications Engineering, Aalto University School of Electrical Engineering, Espoo, Finland

Current position

1/10/2017- Postdoctoral researcher, Department of Computer Science, Aalto University School of Science, Finland

Previous work experience

1/10/2016 - 1/9/2017	Acoustics Expert, A-Insinöörit Suunnittelu Oy
2009 - 2016	Project researcher / Doctoral student, Department of Computer Science, Aalto University School of Science, Finland
June 2015	Research visit to Nantes Atlantic College of Veterinary Medicine, Food Science and Engineering (OnIris), France

Career breaks

1/1/2018 - 31/7/2018 Parental leave (7 months)

Teaching experience

2018-2019	Aalto University: ELEC-C5430 Applied Signal Processing: Responsible Teacher
2014-2016	Aalto University: T-75.4900: Havaitseminen (Perception): Visiting lecturer
2012-2014	Aalto University: Tutor 1.-3. year students at the School of Science

Pedagogical training

2019	PED-131.9000 Assessment for and of learning (3 cr)
2018	PED-131.2100 Teaching at Aalto University I: Learning and Teaching in university (5 cr)
2016	PED-131.2210 Teaching at Aalto University II: Course design (5 cr)
2015	PED-131.1000 A! Peda Intro (5 cr)

Projects

Member of the ERC project [grant nr. 203636]: Physically-based Virtual Acoustics

Member of the Academy of Finland project [grant no. 257099]: Concert hall acoustics - From sensory profiles to new objective criteria.

Scholarships and awards

2015 & 2016	Finnish Foundation of Technology Promotion Scholarships (2x)
2015	Emil Aaltonen's Foundation Scholarship
2013	Int. Symp. on Room Acoustics (ISRA), Toronto 2013, Best student paper award
2013	M. Karjalainen's fund recognition award, Acoustical Society of Finland

Referee positions

Journal & Conference proceedings of Audio Engineering Society (AES)

Acta Acustica united with Acustica

ACM Transactions on Applied Perception

Professional memberships

Acoustical Society of Finland

Publications: Journal articles

- **A. Kuusinen**, E. Saariniemi, V. Sivonen, A. Dietz, A. Aarnisalo and T. Lokki. Speech recognition in noise and reverberation in multichannel auralizations of two real rooms, *Hearing Research*, x, xx-xx, 2019 (IN REVISION)
- **A. Kuusinen** and T. Lokki. Wheel of Concert Hall Acoustics, *Acta Acustica united with Acustica*, 103(2), 185-188, 2017
- M. Séménou, Ph. Courcoux, **A. Kuusinen** and T. Lokki. Segmentation of subjects in multivariate paired comparisons. Application to the preference for concert halls acoustics. *Food Quality and Preference*, 2017
- **A. Kuusinen**, and T. Lokki. Investigation of auditory distance perception and preferences in concert halls by using virtual acoustics. *The Journal of the Acoustical Society of America*, 138(5):3148-3159, 2015.
- **A. Kuusinen**, J. Pätynen, S. Tervo, and T. Lokki. Relationships between preference ratings, sensory profiles and acoustical measurements in concert halls. *The Journal of the Acoustical Society of America*, 135(1):239-251, 2014.
- S. Tervo, J. Pätynen, **A. Kuusinen**, and T. Lokki, Spatial decomposition method for room impulse responses. *Journal of the Audio Engineering Society*, 61(1/2):17-18, 2013
- T. Lokki, J. Pätynen, **A. Kuusinen**, and S. Tervo. Disentangling preference ratings of concert hall acoustics using subjective sensory profiles. *The Journal of the Acoustical Society of America*, 132(5):3148-3161, 2012.
- T. Lokki, J. Pätynen, **A. Kuusinen**, H. Vertanen, and S. Tervo. Concert hall acoustics assessment with individually elicited attributes. *The Journal of the Acoustical Society of America*, 130:835-849, 2011.

Publications: Book chapters

- **A. Kuusinen**, and T. Lokki. Concert hall acoustics, In *Sensory evaluation of sound*, Editor: N. Zacharov, CRC Publishing, 389-410, 2019

Publications: Conference papers

- T. Lokki and **A. Kuusinen**. Konserttisaliakustiikan ympyrä, Akustiikkapäivät, Espoo, 25-26.8.2017
- **A. Kuusinen** and T. Lokki. On studying auditory distance perception in concert halls with multichannel auralizations, In *Proceedings of the 18th International Conference on Digital Audio Effects, DAFx-15*, Trondheim, Norway, 2015
- **A. Kuusinen**, and T. Lokki. Auditory distance perception in concert halls and the origins of acoustic intimacy. [INVITED PAPER] In *Proceedings of the 9th International Conference on Auditorium Acoustics*, Paris, 29-31.10.2015.
- **A. Kuusinen** Tutkimus orkesterin etäisyyden kuulemisesta auralisoiduissa konserttisaleissa. Akustiikkapäivät, Kuopio, 1-2.9.2015.
- **A. Kuusinen** An anechoic audio corpus for room acoustics and related studies, In *Proceedings of EAA Joint Symposium on Auralization and Ambisonics*, Berlin, Germany, 2014
- **A. Kuusinen**, H. Vertanen and T. Lokki. Assessor Selection and Behavior in Individual Vocabulary Profiling of Concert Hall Acoustics, In *Proceedings of the 38th International Conference of Audio Engineering Society on Sound Quality Evaluation*, Pitea, Sweden, June, 2010. Paper 7-1.

Conference presentations

- **A. Kuusinen**, Puun käyttö konserttisaleissa (eng. Usage of Wood in Concert Halls), [INVITED TALK] Metsä Symposium, Helsingin työväenopisto, 23.9.2017
- **A. Kuusinen**, Experiences in Individual Vocabulary Profiling of Concert Hall Acoustics, Sensometrics, Chicago, USA, 29.7 - 01.08.2014
- **A. Kuusinen**, The Role of Early Reflections on Definition and Source Separation, Acoustics Hong Kong, 13-18.5.2012