

# Curriculum Vitae: Stefan Bilbao

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## Employment History

2017- Professor (full), Reid School of Music, University of Edinburgh (formerly Reader, 2013-2017, Senior Lecturer, 2007-2013, and Lecturer, 2005-2007).  
2002-2005 Lecturer, School of Music/Sonic Arts Research Centre, Queen's University Belfast.  
2001-2002 Postdoctoral Research Fellow, Space Telecommunications and Radioscience Laboratory, Stanford University.

## Education

2001 Ph.D. Electrical Engineering, Stanford University.  
1996 MSc. Electrical Engineering, Stanford University.  
1992 B.A. Physics, Harvard University.

## Publications

64 journal publications, 120 conference proceedings articles, two book chapters and two research monographs. Recent work:

## Research Supervision

14 PhD students, 13 postdoctoral research associates/technical staff, 47 MSc dissertation supervisions, 16 visiting research students, 17 PhD/Habilitation external examination committees.

## Major Grants

2016-2018 PI, European Research Council Proof of Concept Grant: Wave-based Room Acoustics Modeling, £107 000.  
2012-2016 PI, European Research Council Starting Grant: Next Generation Sound Synthesis, £1 175 000.  
2006-2008 PI, Leverhulme Trust Project Grant, £27 000.  
2006-2009 PI, EPSRC First Grant, 2006-2009, £84 000.  
2005-2008 Co-I, Agence Nationale de la Recherche grant (France): Consonne, 430 000 Euro.  
2004-2006 Co-I, Invest Northern Ireland/Digital Theatre Systems project grant, £ 1 100 000.

## Lectures

64 invited lectures at University research laboratories, international symposia and festivals, and for industry, including:

2022 TTI Vanguard [next], Scottsdale, Arizona.  
2020 Keynote lecture, Timbre 2020, Thessaloniki, Greece.  
2015 Keynote lecture, 12<sup>th</sup> Sound and Music Computing Conference, Maynooth, Ireland.  
2014 Keynote lecture, International Symposium on Musical Acoustics, Le Mans, France.  
2012 Invited workshop, High-performance Computing workshop, City University of New York, USA.  
2012 Invited tutorial, 15<sup>th</sup> International Conference on Digital Audio Effects, York, UK.

## Other Activities

Member: Audio Engineering Society, Acoustical Society of America, IEEE (Senior Member), IRCAM Scientific Council.

Associate Editor: IEEE Transactions on Audio Speech and Language Processing (2019-2022).

Co-founder: Physical Audio Ltd. (with Craig Webb and Michele Ducceschi).

Peer reviewing: 60 international journals, international conferences, academic publishers and funding bodies.

Conference Program/Scientific Committees: International Conference on Digital Audio Effects: 2008-09, 2012-14, 2016, 2018, general chair 2017; Sound and Music Computing Conference, (2011, 2015, 2017, 2019-20); International Symposium on Musical Acoustics, (2017); ViennaTalk (2015, 2020); International Computer Music Conference (2006-07, 2014-2015); Computer Music Multidisciplinary Research (2013, 2015).

Awards: Médaille étrangère: Société Française d'Acoustique (2022). Best paper awards at the International Conference on Digital Audio Effects (2008, 2012, 2014, 2015, 2021) and the Sound and Music Computing Conference (2017).

Chairing/Special Session Organiser: Chairing at international conferences on 16 occasions. Special session organisation at the International Congress on Acoustics (2019, 2022), European Nonlinear Dynamics Conference (2020), Forum Acusticum (2020), Internoise (2023).