

Brief CV for Jesper Jerkert

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Basics

Name Jesper Jerkert
Born 1975
Family Wife and two daughters (2011, 2013)

Contact

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Higher education

KTH Royal Institute of Technology Ongoing PhD education in philosophy.

DEGREE

☞ Licentiate in philosophy, 2015.

KTH Royal Institute of Technology Studies in mathematics, physics, and technological sciences in the engineering physics program. Plus a few courses in higher education didactics. 319 credits in total.

DEGREE

☞ Master of Science in engineering physics, 2004.

Stockholm and Uppsala Univ. Studies in theoretical philosophy (142.5 cr.), musicology (105 cr.), political science (30 cr.) and a few other courses. 315 credits in total.

DEGREES

☞ Bachelor of arts in theoretical philosophy, 2010.

☞ Bachelor of arts in musicology, 2000.

Recent positions

- 2010– Teacher (universitetsadjunkt) in philosophy of science from 2010-06-01, PhD student from 2010-07-01, Division of Philosophy, KTH. Director of undergraduate studies.
- 2008–2010 Research engineer, Division of Philosophy, KTH. Director of undergraduate studies from 2009-10-01.
- 2008 Teacher (universitetsadjunkt) at the CLINTEC department, Karolinska Institute, Huddinge.
- 2007–2008 Research engineer, School of Electrical Engineering, KTH.
- 2005–2007 Teacher (universitetsadjunkt) at the CLINTEC department, Karolinska Institute, Huddinge.

Publications

Scientific texts

1. J. Jerkert, Negative mechanistic reasoning in medical intervention assessment, *Theoretical Medicine and Bioethics* 36, 2015, 425–437.
2. J. Jerkert, Review of *The Philosophy of Evidence-Based Medicine* by Jeremy Howick, *Theoria* 79(2), 2013, 180–186.
3. J. Jerkert, Why alternative medicine can be scientifically evaluated: Countering the evasions of pseudoscience. In: M. Pigliucci & M. Boudry (eds), *Philosophy of Pseudoscience: Reconsidering the Demarcation Problem*, University of Chicago Press, 2013, 305–320.
4. J. Jerkert, Review of *Science in the Age of Computer Simulation* by Eric Winsberg, *Theoria* 78(2), 2012, 168–175.
5. J. Jerkert, Review of *Enharmonic Instruments and Music, 1470–1900* by Patrizio Barbieri, *Svensk Tidskrift för Musikforskning (Swedish Journal of Musicology)* 92, 2010, 121–123.
6. J. Jerkert, Musical Articulation in the Organ, *Joint Nordic–Baltic Acoustics Meeting 2004* (24 pp).
7. J. Jerkert, Measurements and Models of Musical Articulation, *Proceedings of the Stockholm Music Acoustics Conference (SMAC)*, 2003, 537–540.

Scientific texts in progress

1. J. Jerkert, Randomization, bias, and the internal–external validity distinction.

Popular science

I have written a large number of popular science texts and teaching texts. The list below contains only a fraction. For a more comprehensive list, see my homepage.

1. J. Jerkert: Blindning och randomisering: historia och syften (“Blinding and randomization: history and purposes”), *Folkvett* 2015, no. 1–2, 29–49.

2. J. Jerkert: Flum i riksdagen 2010–2014 (“Pseudoscience in the Swedish Parliament 2010–2014”), *Sans* 2014, no. 3, 28–32.
3. J. Jerkert, Bombdetektorbluffarna (“The bomb detector frauds”), *Folkvett* nr 3, 2013, 27–41.
4. J. Jerkert, Varför åberopar man inte det övernaturliga i vetenskapen? (“Why don’t we invoke supernatural in science?”), *Filosofisk tidskrift* no. 4, 2011, 41–49.
5. J. Jerkert, Vad vet vi idag om elöverkänslighet? (“What do we know today about electromagnetic hypersensitivity?”), *Folkvett* no. 2, 2010, 33–39.
6. J. Jerkert, Krav på randomisering är ingen slump (“Randomization isn’t required by chance”), *Vetenskap & Praxis* no. 1, 2009, 12–13.
7. J. Jerkert, The two months argument for parapsychological research, *Skeptical Inquirer* July/Aug 2007, 62–64.
8. J. Jerkert, Övernaturligt trolleri (“Supernatural conjuring”), *Folkvett* no. 3, 2006, 6–35.
9. J. Jerkert, Miljöpartiet vilse i vetenskapen (“The Green Party is lost in science”), *Läkartidningen* 102(38), 2005, 2671–2675.
10. J. Jerkert, Slagrutan i folketro och forskning (“Dowsing in folklore and research”). In: Jesper Jerkert & Sven Ove Hansson (eds), *Vetenskap eller villfarelse*, Stockholm 2005, 11–37, 309–312.

Books

1. J. Jerkert, *Philosophical Issues in Medical Intervention Research*. Licentiate thesis, KTH Royal Institute of Technology, 2015 (87 pp).
2. J. Jerkert, *Från ad hoc till önsketänkande – en guide till pseudovetenskapens värld* (“From ad hoc to wishful thinking – a guide to the world of pseudoscience”). Lidingö: Fri Tanke, 2012 (261 pp).
3. J. Jerkert, *Akustik från grunden* (“Basic acoustics”). Stockholm: Karolinska Institute, 2009, 3rd edition (224 pp).
4. J. Jerkert (ed.), *Fakta eller fantasier. Föreställningar i vetenskapens gränstrakter* (“Facts or Fantasies: Views in the Borderland of Science”). Stockholm: Leopard Förlag, 2007 (215 pp).
5. J. Jerkert & S. O. Hansson (eds), *Vetenskap eller villfarelse* (“Science or Delusion”). Stockholm: Leopard Förlag, 2005 (348 pp).
6. J. Jerkert (ed.), *Antroposofin – en kritisk granskning* (“Anthroposophy: A Critical Scrutiny”). Stockholm: Leopard Förlag, 2003 (117 pp).

Music

I write, arrange, and edit music in my spare time.

1. J. Jerkert, *Goder afton, goder afton. Potpourri över julvisor av Alice Tegnér för kör och orkester* (medley on Christmas songs by Alice Tegnér arranged for choir and orchestra). For full symphony orchestra and mixed choir. Score of 28 pp. Performed by the KTH Academic Orchestra and the choir of the student union at KTH (Kongl Teknologkören). Durata: 5’.
2. J. Jerkert: *Suite di fugati in stile antico per quintetto di fiati* for wind quintet. Performed by the Vide Quintet. Durata: 5’.

3. J. Jerkert, *Bereden väg för Herran*, paraphrase on Swedish hymn no. 103 for choir (SSAATTBB). Durata: 3’.
4. Kaspar Förster, *Dulcis amor Jesu* for two sopranos, two violins and basso continuo, critical edition by Jesper Jerkert. Score (19 pp) and parts.
5. Jacob Struve, *String Quartet in D Minor*, critical edition by Jesper Jerkert. Score (35 pp) and parts.
6. Antonín Dvořák, *Serenade for wind instruments in D minor*, op. 44, arranged for wind quintet by Jesper Jerkert. Score (32 pp) and parts.

Teaching

Only major teaching responsibilities are mentioned below.

Karolinska Institute Full responsibilities, including all administration and all or almost all teaching, in the courses *Fysik och akustik* (Physics and acoustics), *Signalteori* (Signal processing), *Auditiv perception* (Auditive perception), and *Statistik* (Statistics). Author of a textbook intended for the course Physics and acoustics (see list of books, above).

KTH Royal Institute of Technology Full responsibilities, including all administration and all teaching, in the course *Vetenskapsteori och forskningsmetodik för lärare* (Theory of science and research methodology for teachers). I have regularly given lectures in *God och dålig vetenskap* (Good and bad science) and in *Theory and Methodology of Science*. I have been a seminar teacher in several courses, mainly on research methodology and the philosophy of science, but also on aesthetics. For many years, I was administratively responsible for the course *God och dålig vetenskap* (Good and bad science).

Talks

I have given talks in schools, to societies, and in many other settings. Here is a non-exhaustive list of possible topics:

- What is science?
- Philosophical theories on the development of science
- What is pseudoscience?
- The birth of science
- Research in parapsychology: What does it tell us?
- Dowsing: The scientific verdict
- Do we know that astrology doesn’t work?
- Statistical inferences
- The basics of scientific methodology

- How fair is the Swedish electoral system?
- Music myths
- Why is it so tricky to tune a piano?

Awards

2000 Best interdisciplinary thesis, prize awarded by the student union at Stockholm University (with respect to my BA thesis in musicology).

Other selected activities

- VOF Member of the board of the Swedish Skeptical Society (Vetenskap och Folkbildning, www.vof.se) 2000–2011, chairman 2004–2008.
- SBU Member of the layperson board (lekmanrådet) of the Swedish Council on Health Technology Assessment (Statens Beredning för Medicinsk Utvärdering, SBU) 2009–2013.
- KTHAK Playing flute in the Academic Orchestra of the Royal Institute of Technology (KTHAK) since its inception in 2002.