

Koivisto Juha Heikki (male)
Born 26.02.1982 in Vantaa, Finland
Finnish Citizen



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Education **Doctor of Science (Technology), Aalto University**

Major subject: Engineering Physics, Theoretical and Computational physics
Graduation date and place: 16.10.2013, Espoo, Finland
University contact details: +358 9 47001

Master of Science (Technology), Helsinki University of technology

Major subject: Engineering Physics, Physics
Graduation date and place: 18.9.2007, Espoo, Finland

Skills **Writing**

I write fluent texts in Finnish and in English. Mostly academic rigorous documents with 30 academic articles of which 15 are peer reviewed. From my 5 submitted opinion pieces 4 are accepted in Helsingin Sanomat (0.7 million readers). The expectation value for my grant applications or similar is 10 000 euros (including Tekes, Academy of Finland, Foundations, etc).

Speaking

I am a confident and fluent speaker with 10 years of experience in academic, business and social environments.

Programming

I am fluent with C, Python and Javascript and familiar with 20 other languages (including Labview, Clojure and ASM)

Class 3 electrician

17.9.2013

I have a certification from Finnish Safety and Chemicals Agency (Tukes) to manufacture and install devices operating at less than 1000 volts (1 kV) for

commercial use. I excel in analogue electronics and can program simple microprocessors.

Languages	Finnish	CEFR-C2, Native language, Proficient user	
	English	CEFR-C2, Proficient user	
	Swedish	CEFR-A2, Basic user	
	German	CEFR-A2, Basic user	
Current Position	Post Doctoral Researcher		1.10.2016 – 30.9.2017
	Employer: Professor Mikko Alava, Aalto University		
	Research topic: Foam behavior in imbibition		
	Other commitments: Owner of Juhan Sähkö ja Kone Ltd.		
Previous Employment	Leave of Absence		1.6.2016 – 30.9.2016
	Moving back to Finland after two years abroad.		
	Post Doctoral Researcher		3.3.2015 – 31.5.2016
	Collaboration with Professor Douglas Durian, University of Pennsylvania		
	Personal grant from Finnish Cultural Foundation		
	Post Doctoral Researcher		3.3.2014 – 2.3.2015
	Collaboration with Professor Douglas Durian, University of Pennsylvania		
	Personal grant from Wihuri Foundation		
	Doctoral Student		18.9.2007 – 16.10.2013
	Employer: Professor Mikko Alava, Aalto University		
	Research topic: Fracture in heterogeneous materials		
Funding	Grant, Finnish Cultural Foundation, 45 000 euros		3.3.2015 – 31.5.2016
	Extension to previous grant. Applied via Finnish Foundations' Post Doc Pool		
	Grant, Wihuri Foundation, 45 000 euros		3.3.2014 – 2.3.2015
	Applied via Finnish Foundations' Post Doc Pool		
Teaching	Supervisor of 5 Bachelor-level thesis or reports		
Impact	15 peer reviewed articles, three published in Physical Review Letters		
Presentations	Slush, Helsinki, Finland		1.12.2016
	Granular flow and clogging, Lyon, France		22.11.2016
	CSM seminar, Espoo, Finland		8.9.2016
	APS March Meeting, Pittsburg, USA		15.3.2016
	APS March Meeting, San Antonio, USA		4.3.2015
	Workshop on avalanches, Courmayer, Italy		20.1.2014
	ICF13, Peking, China		19.6.2013
	Statphys25, Seoul, South Korea		24.7.2013

	Avalanches and Intermittency, Les Houches, France	23.2.2013
	Fluctuation, Scaling and Predictability, Les Houches, France	24.1.2012
	COMP spotlight, Espoo, Finland	19.8.2011
	Fluctuations in Materials II, Courmayer, Italy	3.2.2011
	ICEM14, Poitiers, France	7.7.2010
	Fluctuations in Materials I, Courmayer, Italy	27.1.2010
	ICF12, Ottawa, Canada	14.9.2009
	Physics days, Espoo, Finland	13.3.2009
	KCL-seminar, Espoo, Finland	12.12.2008
	SAB-meeting, Helsinki, Finland	11.9.2008
Posters	Gordon conference, Easton MA, Usa	24.7.2014
	FMPRS, Åre, Sweden	30.1.2013
	Physics Days, Tampere, Finland	9.3.2006
	Physics Days, Espoo, Finland	18.3.2005