

Curriculum Vitae

April 24, 2012

Personal information

- Surname: Fält
- Given names: Pauli Olavi
- Date of birth: December 14th 1982
- Place of birth: Iisalmi, Finland
- Gender: Male
- Marital status: Single
- Nationality: Finnish
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Education

- Master of Science (M.Sc.), Physics, University of Joensuu, Joensuu, Finland, 2006
- High school graduation, Upper Secondary School of Iisalmi, Iisalmi, Finland, 2001

Language skills

- Finnish (native)
- English (fluent)
- Swedish (satisfactory)
- French (basics)
- Japanese (basics)
- Latin (basics)

Employment

- Early Stage Researcher, Department of Physics and Mathematics, University of Eastern Finland, Joensuu, Finland, January 1st 2012 – present
- Early Stage Researcher, Department of Physics and Mathematics, University of Eastern Finland, Joensuu, Finland, January 1st 2011 – December 31st 2011
- Early Stage Researcher, Department of Physics and Mathematics, University of Eastern Finland, Joensuu, Finland, January 1st 2010 – December 31st 2010
- Early Stage Researcher, Department of Computer Science and Statistics, University of Joensuu, Joensuu, Finland, January 1st 2009 – December 31st 2009
- Research Amanuensis, Department of Computer Science and Statistics, University of Joensuu, Joensuu, Finland, January 1st 2008 – December 31st 2008
- Research Amanuensis, Department of Computer Science and Statistics, University of Joensuu, Joensuu, Finland, January 1st 2007 – December 31st 2007
- Research Amanuensis, Department of Computer Science and Statistics, University of Joensuu, Joensuu, Finland, August 21st 2006 – December 31st 2006
- Research Amanuensis, Karelian Institute, Department of Ecology, University of Joensuu, Joensuu, Finland, September 5th 2005 – February 19th 2006
- Trainee, Department of Physics, University of Joensuu, Joensuu, Finland, June 1st 2005 – July 31st 2005

International experience

- Visiting Researcher, Center for Optical Research & Education (CORE), Utsunomiya University, Utsunomiya, Japan, December 1st 2011 – February 28th 2012
- Visiting Researcher, Center for Optical Research & Education (CORE), Utsunomiya University, Utsunomiya, Japan, April 1st 2010 – March 31st 2011

Research interests

- Spectral color research
- Optical coherence tomography
- Eye research
- Biomedical optics

Related publications

- P. Fält, J. Hiltunen, M. Hauta-Kasari, I. Sorri, V. Kalesnykiene, J. Pietilä, H. Uusitalo, “Spectral Imaging of the Human Retina and Computationally Determined Optimal Illuminants for Diabetic Retinopathy Lesion Detection,” *J. Imaging Sci. Technol.* **55**(3), 030509-1–030509-10 (2011).
- P. Fält, R. J. Zawadzki, B. Cense, “The effect of collimator lenses on the performance of an optical coherence tomography system,” in *Proceedings of SPIE Photonics West 2011, Ophthalmic Technologies XXI, San Francisco, USA, January 22-24*, **7885**, 78850X (2011).
- P. Fält, J. Hiltunen, M. Hauta-Kasari, I. Sorri, V. Kalesnykiene, H. Uusitalo, “Extending diabetic retinopathy imaging from color to spectra,” in *Proceedings of SCIA '09 – 16th Scandinavian Conference on Image Analysis, Lecture Notes in Computer Science (LNCS)*, **5575**, 149–158 (2009).