

CURRICULUM VITAE**16.6.2016****PERSONAL INFORMATION**

Antti Ilmari Penttilä, male, born 28.2.1977 in Espoo, Finland
 Finnish national, two children (born in 2004 and 2008)
 Current residence Espoo, Finland

Department of Physics, P.O. box 64
 00014 University of Helsinki
 Finland

+358 2941 51227 (work)

+358 50 5240968 (home)

Antti.I.Penttila@helsinki.fi

EDUCATION AND DEGREES

Doctor of Philosophy, University of Helsinki, 2011
 in astronomy, grade Eximia Cum Laude Approbatur (5/6)
 title of thesis "Light scattering in random media with wavelength-
 scale structures: astronomical and industrial applications"
 Licentiate of Social Sciences, University of Helsinki, 2009
 in statistics, grade Eximia Cum Laude Approbatur (5/6)
 title of licentiate thesis "Statistical analysis of the polarization of
 asteroids and comets"
 Master of Social Sciences, University of Helsinki, 2002
 master's thesis grade Eximia Cum Laude Approbatur (5/6)
 title of master's thesis "Partikkelien muodon mallintaminen niiden
 2D-satunnaisprojektiosta" (in Finnish)

CURRENT POSITION

University researcher, 2015–, Department of Physics, University of Helsinki.

Researcher in European Research Council Advanced Grant project 320733 "SAEMPL". Prof. Karri Muinonen, 2013–2018, 2 750 k€.

PREVIOUS PROFESSIONAL APPOINTMENTS

Post-doctoral researcher, 2012–2015, Department of Physics, University of Helsinki
 Doctoral student, 2003–2011, Observatory and Department of Physics, University of Helsinki
 Course lecturer, 2008, 2010, 2012–2014, Observatory and Department of Physics, University of Helsinki
 Deputy University Lecturer, January 2002, Department of Forest Sciences, University of Helsinki
 Course lecturer, 2001, Palmenia, University of Helsinki

MAJOR RESEARCH FUNDING AND ACADEMIC LEADERSHIP

Science expert, Phase A COPINS study for the AIM mission, 2015, European Space Agency
 Technical Lead, Gaia Added Value Interface for Spectral Classification, 2015, European Space Agency
 Participation in successful application for European Research Council Advanced Grant (prof. Karri Muinonen), 2013–2018, 2 750 k€
 Participation in successful applications for SHOK Forestcluster Ltd. consortium projects Efficient networking towards novel products and processes (EffNet, 2010–2013, TEKES, 100 000€, prof. emer. Kari Lumme) and Älykkäät ja resurssseja säästävät tuotantoteknologiat (ReP, 2008–2010, TEKES, 140 000€, prof. emer. Kari Lumme)

Participation in successful application for consortium project
 Characterization and control of pigment coating structures (C-Coat, 2003-2005, TEKES, 160 000€, prof. emer. Kari Lumme)
 Project manager (EffNet), 2010–2012, Department of Physics, University of Helsinki
 Project manager (ReP), 2008–2010, Observatory, University of Helsinki
 Project secretary (C-Coat), 2006–2007, Observatory, University of Helsinki
 Co-supervisor, PhD in astronomy, Anne Virkki (2015), Julia Martikainen (expected 2019)
 Co-supervisor, Master in astronomy, Hanna Pentikäinen (2013), Julia Martikainen (2015)
 Co-supervisor, Bachelor in astronomy, Timo Väisänen (expected 2015)

AWARDS

2014, International Astronomical Union assigned asteroid name (15224) Penttila
 2012 Elsevier/JQSRT Peter C. Waterman Award, presented in the category of Scattering and Remote Sensing to outstanding early-career scientists
 Master's thesis reward by the Faculty of Social Sciences, 2002

OTHER SCIENTIFIC OR ACADEMIC MERITS AND ACTIVITIES

Member, International Astronomical Union, 2015–
 Guest editor in Planetary and Space Science, volume 118, 2015;
 Journal of Quantitative Spectroscopy and Radiative Transfer, volume 112, 2011
 Chairman of Local Organizing Committee in International Conference on Asteroids, Comets, Meteors, Helsinki, Finland, 2014; International Conference on Electromagnetic and Light Scattering XII, Helsinki, Finland, 2010
 Editor of Proceedings of International Conference on Asteroids, Comets, Meteors, Helsinki, Finland, 2014; International Conference on Electromagnetic and Light Scattering XII, Helsinki, Finland, 2010
 Young scientist, ISSI (International Space Science Institute, Bern, Switzerland), team Light Scattering Phenomena in Small Body Surfaces, 2007–2008
 Referee in Planetary and Space Science, Journal of Quantitative Spectroscopy and Radiative Transfer, Nordic Pulp & Paper Research, Journal of Laser Applications, Brazilian Journal of Chemical Engineering

SCIENTIFIC IMPACT OF RESEARCH

h-index 11 (Google Scholar)
 31 authored or co-authored articles in refereed international scientific journals