CURRICULUM VITAE	19.5.2021
PERSONAL INFORMATION	Antti Ilmari Penttilä, male, born 28.2.1977 in Espoo, Finland Finnish national, three children (born in 2004, 2008, 2017) Current residence Espoo, Finland
	Department of Physics, P.O. box 64 00014 University of Helsinki Finland
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	antti.i.penttila@helsinki.fi ORCID: 0000-0001-7403-1721
EDUCATION AND DEGREES	 Title of Docent (Planetary Sciences), University of Helsinki, 2018 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-satunnaisprojektioista" (in Finnish)
CURRENT POSITION	University researcher, permanent position, 2020–, Department of Physics, University of Helsinki
PREVIOUS PROFESSIONAL APPOINTMENTS	 University researcher, fixed term, 2015–2020, Department of Physics, University of Helsinki 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	 Co-Investigator, Comet Interceptor science team, 2020–, European Space Agency Member, Gaia Data Processing and Analysis Consortium DPAC, 2019–, European Space Agency Science investigator, HERA APEX Cubesat Phase A study, 2018–2020, European Space Agency Science expert, Phase A COPINS study for the AIM mission, 2015–2016, European Space Agency Technical Lead, Gaia Added Value Interface for Spectral Classification, 2015–2017, European Space Agency Science team member, MIXS instrument on board BebiColombo spacecraft, 2015– , European Space Agency

	 Participation in successful application for Academy of Finland consortium project (prof. Karri Muinonen), 2016–2020, 1 360 k€ 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 k€, prof. emer. Kari Lumme) and Älykkäät ja resursseja säästävät tuotantoteknologiat (ReP, 2008-2010, TEKES, 140 k€, prof. emer. Kari Lumme) Participation in successful application for consortium project Characterization and control of pigment coating structures (C-Coat, 2003-2005, TEKES, 160 k€, prof. emer. Kari Lumme) Project manager (EffNet), 2010–2012, Department of Physics, University of Helsinki Project secretary (C-Coat), 2006–2007, Observatory, University of Helsinki Co-supervisor, PhD in astronomy, Anne Virkki (2015), Olli Wilkman (2016), Timo Väisänen (2020), Julia Martikainen (2021) Co-supervisor, Master in astronomy, Hanna Pentikäinen (2013), Julia Martikainen (2015), Timo Väisänen (2016), Hilppa Hietala (2020) Supervisor, Bachelor in astronomy, Mikko Vuori (expected 2021), Elizaveta Uvarova (2021), co-supervisor, Timo Väisänen (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	 ESF Europlanet 2020 RI – TA call panel member, 2017 panel member 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 of 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, International Space Science Institute, Bern, Switzerland, team Light Scattering Phenomena in Small Body Surfaces, 2007–2008 Referee in Astronomy & Astrophysics, Astronomy and Computing, Astrophysical Journal Supplement Series, Brazilian Journal of Chemical Engineering, Icarus, Journal of Laser Applications, Journal of the Optical Society of America A, Journal of Quantitative Spectroscopy and Radiative Transfer, Monthly Notices of the Royal Astronomical Society, Nordic Pulp & Paper Research, Planetary and Space Science, Remote Sensing, Research in Astronomy and Astrophysics, Science Observing time at the Nordic Optical Telescope: semester 2019A IAC-Nordic (Co-I), period 55 (Co-I), period 53 (Co-I), 2015 Fast track (PI), period 47 (PI)
SCIENTIFIC IMPACT OF RESEARCH	h-index 17 (ISI Web of Science) 63 authored or co-authored articles in refereed international scientific journals