

(Oula) Samuli Junttila, born 1987, Finnish nationality

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[https://www.researchgate.net/profile/Samuli\\_Junttila](https://www.researchgate.net/profile/Samuli_Junttila)

### Education and degrees completed

Date and degree	3.9.2019, <b>Doctor of Science (Agriculture and Forestry), University of Helsinki</b>
Title of dissertation	Utilizing multispectral lidar in the detection of declined trees (accepted with distinction)
Date and degree	9.2.2015, <b>Master of Science (Agriculture and Forestry), University of Helsinki</b>
Title of master thesis	Effect of forest health and structure to the relative surface temperature captured by airborne thermal imagery – Case study in Norway Spruce-dominated stands in Southern Finland

### Current position

Start and end date	1.9.2020 –
Employer	<b>Department of Forest Sciences, University of Eastern Finland</b>
Job description	Postdoctoral researcher. Designing and conducting research related to the project “Capturing tree canopy water dynamics over time – from single canopies to landscape and global dynamics (CAWA)”.

### Previous work experience

Start and end date	1.5.2015 – 31.8.2020
Employer	<b>Department of Forest Sciences, University of Helsinki</b>
Job description	Postdoctoral researcher / PhD student. Designing and conducting research related to lidar remote sensing. Lecturing at remote sensing related courses. Conducting tasks related to the marketing and communications of the department and the education programmes.
Start and end date	1.10.2016 – 30.7.2017
Employer	<b>Finnish Geospatial Research Institute FGI</b>
Job description	Researcher, part-time. Conducting remote sensing research that is leading to doctoral dissertation. Collection of laser scanning data in Brazil.
Start and end date	1.9.2014 – 30.4.2015
Employer	<b>Department of Built Environment, Aalto University</b>
Job description	Research assistant. Research in remote sensing of spruce bark beetle damaged forests with laser scanning and thermal infrared imaging.
Start and end date	1.4.2014 – 30.8.2014
Employer	<b>Department of Forest Sciences, University of Helsinki</b>
Job description	Pro gradu –worker. Analysing research material and production of results in written and visual format.
Start and end date	1.9. – 30.10.2013
Employer	<b>Arbonaut Ltd.</b>
Job description	Design and implementation of field data collection for a study concerning forest health. Processing and analyzing of airborne laser scanning data.
Start and end date	1.6. – 30.8.2011, 1.7. – 30.8.2012

Employer	<b>Department of Physics, University of Helsinki</b> <b>Center of Excellence in Atmospheric Science</b>
Job description	Research assistant. Design and implementation of illumination measurements and photosynthesis measurements. Data analysis.

**Career breaks**

1.12.2016 – 26.4.2017      Paternal leave

**Personal research funding and grants**

2020, Postdoctoral research project, The Academy of Finland, 245 026 e  
 2020, Personal research grant, Finnish cultural foundation, 16 500 e  
 2019, Travel grant, The Finnish Society of Forest Science, 1 520 e  
 2018, Travel grant, University of Helsinki, 2 000 e  
 2018, Personal research grant, Finnish cultural foundation, 12 000 e  
 2017, Personal research grant, Finnish cultural foundation, 12 000 e  
 2017, Personal research grant, Niemi-foundation, 12 000 e  
 2016, Personal research grant, The Finnish Society of Forest Science, 10 068 e  
 2016, Personal research grant, Niemi-foundation, 12 000 e  
 2016, Personal research grant, Otto A. Malm -foundation, 5 000 e  
 2015, Personal research grant, Niemi-foundation, 12 000 e  
 2015, Personal research grant, The Finnish Society of Forest Science, 8 350 e

**Teaching experience**

2019 Spring, Guest lecture, Environmental GIS (GIS204), University of Helsinki (UH)  
 2019 Spring, Guest lecture, Disturbance dynamics of boreal forests (MER213B), UH  
 2018 Summer, Guest lecture/workshop, Field course on forest inventory and management (ME-013C), UH  
 2017 Summer, Guest lecture/workshop, Field course on forest inventory and management (ME-013C), UH  
 2017 Spring, Guest lecture, Disturbance dynamics of boreal forests (MER213B), UH

**Patents, inventions, awards and honours**

2020, Dance your PhD -award from Science journal (winner of physics category)  
 2019, Doctoral degree with distinction  
 2018, ESA Bic Space Hack innovation award at an Ultrahack event  
 2015, Metsämiesten säätiö foundation award for study excellence in forest inventory and management

**Other key scientific or academic merits**

2020 – , Board member of the Young Academy of Finland  
 2019, Reviewer for a project proposal, Czech Science Foundation, Czech  
 2019, Producer and artist of a popularized science (PhD rapped) song and music video: Eastern Prof – The Forest Scan Plan (<https://vimeo.com/336275552>)  
 2017-2019, Reviewer for journals: Remote Sensing of Environment, Forest Ecology and Management, ISPRS Journal of Photogrammetry and Remote Sensing, Urban Forestry and Urban Greening, Remote Sensing, Journal of Applied Entomology, Forests

2018–2020 Vice-member of the Infrastructure and Research council at the Faculty of Agriculture and Forestry at the University of Helsinki