

# Grants

## EINO JUTIKKALA FUND 14TH OCTOBER

- MA Wilma Andersson, University of Helsinki 25.000 The Collective versus the Individual: Modeling Readings of Chinese American Literature. (aesthetics)
- M.Ed. Anna-Mari Aulén, University of Jyväskylä 25.000 Teacher Stress: Coping Strategies, Well-being Profiles and Daily Experiences. (pedagogy)
- MA Aleksandra Dobrego, University of Helsinki 25.000 Making sense of natural speech: prosodic factors across languages. (linguistics)
- PhD Simone Gorinelli, University of Jyväskylä 25.000 Virtuaalitodellisuuden hyödyntäminen yliopisto-opiskelijoiden sosiaalisten ja esiintymistaitojen lisäämiseksi. (theology)
- MA Henriikka Hannula, Universität Wien 25.000 The face of life has a laughing mouth and mournful eyes. Wilhelm Dilthey and the Crisis of the European Culture. (philosophy)
- MA Jaakko Heikkinen, University of Helsinki 25.000 Panpsychism, Process and Causality: A Deflationist Account of Consciousness. (philosophy)
- MA Satu Keinänen, University of Helsinki 25.000 The non-evidential meanings and uses of evidentials. (linguistics)
- MA Onerva Kiianlinna, University of Helsinki 25.000 Darwinism in Aesthetics: Limitations and Potential. (aesthetics)
- M.Div. Tapio Leinonen, University of Helsinki 25.000 The First Among the Prophets. Martin Luther's Theology of Leadership. (theology)
- MA Inés Matres García del Pino, University of Helsinki 25.000 Cultural heritage goes to school: redefining sites of memory in the digital age. (pedagogy)
- MA Mikko Memonen, University of Oulu 25.000 Nativisaatiostrategioista suomen ja saamen välisissä lainasanoissa: katsaus historialliseen ja nykykielen etymologiseen nativisaatioon. (Fenno-Ugric Studies)
- M.Soc.Sc. Pekka Pennanen, University of Helsinki 12.500 Yhteistä hyötyä yksityisellä rahalla: hyvinvointivaltion muutos ja vaikuttavuusinvestoiminen. (social sciences)

- MDiv Olli Saukko, University of Helsinki 25.000 American Jews in the culture wars during the Obama era. (theology)
- MA (Psych) Jaakko Tammilehto, Tampere University 25.000 Tunteiden säätely – sosiaaliset ja kognitiiviset tekijät sekä päivittäinen dynamiikka. (psychology)
- M.Soc.Sc. Saanareetta Virikko, Tampere University 25.600 Kunnanjohtajan luottamus-pula oikeudellisena ilmiönä. (jurisprudence)
- MA Anna Weckström, Tampere University 25.000 Mielenterveyden kategorisointi uudistuvassa asiantuntijaviestinnässä. (linguistics)
- MA Aleksandr Zamiatin, University of Helsinki 25.000 Strategies of Adaptation in Finland and Estonia among Students from the Finno-Ugric Regions of Russia: Examining Linguistic and Ethnic Identity in terms of the Sign Theory of Identity. (Fenno-Ugric Studies)

## VILHO, YRJÖ AND KALLE VÄISÄLÄ FUND 9TH DECEMBER

### Mathematics

- MSc Toni Annala, University of British Columbia 27.000 Kohomologiateoriat algebrallisessa geometriassa.
- PhL Giovanni Canarecci, University of Helsinki 12.500 Rumin Cohomology, Orientability, Slicing of Currents and Deformation Operators on Heisenberg Groups.
- Assoc. Prof. Janne Gröhn, University of Eastern Finland / Universidad de La Laguna, Santa Cruz de Tenerife 2.200 Research visit grant.
- MSc (Tech.) Pauliina Hirvi, Aalto University 25.000 Diffuusi optinen tomografia lasten aivokuvantamisessa.
- Assoc. Prof. Ritva Hurri-Syrjänen, University of Helsinki / Varsovan yliopisto 1.280 Research visit grant.
- PhD Juha-Matti Huusko, Univ. of Eastern Finland / Osaka University / Kyoto Sangyo University / Tohoku University 2.500 Research visit grant.
- MSc Toni Ilkonen, University of Jyväskylä 25.000 Metristen pintojen uniformisaatio.
- MSc Jonne Juusti, University of Turku 25.000 Boundary regularity of quasiminimizers with generalized Orlicz growth.
- MSc Juho Kontio, Oulun yliopisto 25.000 Novel Statistical Methods for Nonlinear Gene Regulatory Network Estimation with Applications to Cancer Research.
- MSc Lassi Lilleberg, Vaasan yliopisto 25.700 Discrete-Time Systems, Operator Colligations and Transfer Functions in Pontryagin Spaces.
- Assoc. Prof. Pekka Nieminen, University of Turku / Madridin Complutense Univeristy 1.900 Research visit grant.
- MSc Milo Orlich, Aalto University 27.100 Extremal Betti numbers and linear free resolutions.
- MSc Riikka Palkki, Oulun yliopisto 12.500 Matematiikanopettajien ja oppilaiden näkökulmia vertailutehtävien käyttöön: menetelmä joustavuuden, keskustelun, analysointitaitojen ja virheistä oppimisen tukemiseen.
- MSc Neea Palojärvi, Åbo Akademi / University of Würzburg 1.980 Research visit grant.
- Assoc. Prof. Istvan Prause, University of Eastern Finland / Yale University 2.800 Research visit grant.
- MSc Samu Pulkkinen, University of Eastern Finland 25.000 Defektiaivot ja kompleksiset differentiaaliyhtälöt.
- Assoc. Prof. Jari Taskinen, University of Helsinki / Vanderbilt University 3.200 Research visit grant.
- MSc Julian Weigt, Aalto University 25.000 Regularity of Maximal Operators.



*The presentation of grants from the Eino Jutikkala Fund and the Emil Öhmann Foundation took place in October, and the Eino Jutikkala Prize for History and the Finnish Academy of Science and Letters Prize for the Humanities were also presented on the same occasion.*

## Physics

- MSc Azar Beiranvand, University of Turku 25.000 Memristors based on electronic scale switching from low bandwidth manganites.
- MA Aydin Deger, Aalto University 12.500 Lee-Yang zeros and critical phenomena in quantum many-body systems.
- MSc Christoffer Fridlund, University of Helsinki 12.500 Molecular Dynamics for Industrial Application of High-Fluence Ion-Beam Irradiation.
- MSc (Tech.) Antti Kiviniemi, Tampere University 25.000 Nonlinear label-free super-resolution microscopy.
- MSc Eero Koponen, University of Eastern Finland 25.000 Synteettinen schlierentomografia ultraäänikenttien mittaamiseen.
- MSc Mikko Kuha, University of Jyväskylä 25.000 Monte Carlo simulation of quark and gluon production in high energy nuclear collisions.
- MSc Laura Laulumaa, University of Jyväskylä 25.000 Stokastinen inflaatio.
- Assoc. Prof. Veikko Linko, Aalto University / Universität Paderborn 3.000 Research visit grant.
- MSc Mikko Lotti, University of Helsinki 25.000 Sähkövarauksellisen Higgsin bosonin etsintä CMS-koelaitteilla CERN:ssä.
- MSc Juuso Manninen, Aalto University 25.000 Interference, noise, and correlation phenomena in quantum devices.
- MSc (Tech.) Akseli Mäkinen, Aalto University 25.000 Theoretical methods for driven and open quantum systems.
- MSc Henrik Mäkinen, University of Helsinki 25.000 Novel X-ray imaging methods for life sciences.
- MSc Petri Peuravaara, University of Oulu 25.000 Laskennallinen Xe-NMR materiaaleissa.
- MSc Heidi Rytkönen, University of Jyväskylä 25.000 Development of Detector Control System for the FIT detector in the ALICE experiment.
- MSc (Tech.) Ilmo Räisänen, University of Jyväskylä 25.000 Lämmönjohtumisen kontrollointi eristeessä sirottajarakenteen avulla.
- MSc (Tech.) Jesse Saari, Tampere University 25.000 Atomikerroskasvatettujen fotonikan materiaalien optimointi aurinkoenergiasovelluksissa.
- MSc Jose Teittinen, University of Turku 25.000 Doctoral thesis on the speed of evolution and quantum speed limit in phase-covariant open quantum systems.
- MSc (Tech.) Leevi Viitanen, Aalto University 25.000 The rheology and yielding of bio based fiber-laden foams.
- MSc Karoliina Vuola, University of Helsinki 25.000 Tieteellisen argumentaation haasteet: Fysiikan opettajaksi opiskelevien argumentaatioitaiteiden tukeminen.
- MSc Wu Yusheng, University of Helsinki 25.000 Development of a cost-effective CPC suited for unsupervised long-term ambient nanoparticle monitoring.
- MSc Juuso Österman, University of Helsinki 25.000 Tiheän kvarkkiaineen tilanyhtälö.

## Astronomy

- MSc (Tech.) Irene Björklund, Aalto University 12.500 Narrow-line Seyfert 1 -galaksien luokittelu ja kehittyminen.
- Assoc. Prof. Pekka Heinämäki, Tuorla / Tartu Observatory 720 Research visit grant.
- MSc Annabella Elizabeth Mondino Llermanos, University of Oulu 25.000 Novel massive parallel simulations of particle rings: modeling fine-scale structures in Saturn's rings and the confinement of Chariklo's and Haumea's rings.
- MSc Juhani Mönkkönen, University of Turku 25.000 Flux variability of accreting neutron stars as a tool for fundamental physics.
- MSc Thomas Reynolds, University of Turku 13.500 Complete census of the supernova activity within the local Universe.



*Grant certificates from the Vilho, Yrjö and Kalle Väisälä Fund were handed over in December, together with the awarding of two Väisälä prizes.*

Assoc. Prof. Aimo Sillanpää, Tuorla Observatory / Ondrejov Observatory 600 Research visit grant.

Assoc. Prof. Sergey Tsygankov, University of Turku / Leiden Observatory 2.800 Research visit grant.

MSc Akke Viitanen, University of Helsinki 25.000 Study of AGN/Galaxy Clustering.

MSc Teemu Willamo, University of Helsinki 18.750 Magneettinen aktiivisuus nuorten tähtien kehityksessä.

### Geophysics

MSc Riikka Fred, University of Helsinki / Colorado School of Mines 5.000 Research visit grant.

MSc Milla Kalliokoski, University of Helsinki / Johns Hopkins University 2.480 Research visit grant.

MSc Hedi Kanarik, Finnish Meteorological Institute 25.000 Itämeren pintakerroksen dynamiikka: Pintavirtausten ja aallokon vuorovaikutus perustuen havaintoihin ja numeerisiin malleihin.

MSc Otto Kärhä, Aalto University 25.000 Evolution of magnetic oval in daily, monthly and yearly time-scales.

MSc Assi-Johanna Soini, University of Helsinki 25.000 Meteorittien fysikaaliset ominaisuudet ja aurinkokunnan varhaisvaiheen kehitys.

MSc Mikael Vasilopoulos, University of Oulu / Geological Survey of Finland 25.000 Pyrite geochemistry and thermoelectric properties as a vector towards mineral deposits.

### Meteorology

MSc (Tech.) Toprak Aslan, University of Helsinki 25.000 Harvennushakkuun vaikutus toisiinsa kytkeytyneiden hiilen, veden ja energian kiertoihin borealisissa talousmetsissä.

MSc Karoliina Hämäläinen, Finnish Meteorological Institute 17.920 Validation of atmos-

pheric icing model against ground based icing observations generated from ceilometer output.

MSc Kukka-Maaria Kohonen, University of Helsinki 25.000 Karbonyylisulfidin (COS) lähteet ja nielutboreaalaisella alueella: Kohti tarkempia hiilinieluarvioita.

MSc Tuomas Naakka, Finnish Meteorological Institute 8.340 Ilmakehän kosteus ja siihen vaikuttavat prosessit polaarialueilla.

### Other fields

MSc Maria Christodoulou, University of Helsinki 25.000 Kätketyt mikrobiologiset aarteet: Äärimmäisissä ympäristöissä elävien syanobakteerien monimuotoisuuden, fylogenieen ja bioaktiivisten aineiden tuoton tutkimus.

MSc Hariharan Dandapani, University of Turku 12.500 A synthetic biology approach for the design of flexible and efficient production platforms in cyanobacteria.

MSc Pegah Hamedani Raja, University of Turku 25.000 Ecological interactions in three dimensions, does the vertical axis matter?

MSc Vesa Havurinne, University of Turku 21.140 Viherhiukkasten pitkäkestoisen toimintakyvyn tausta yhteyttävissä merietänoissa.

MSc Vilma Jallinoja, Vanderbilt University 25.000 Host-guest chemistry based pretargeted positron emission tomography imaging.

MSc (Tech.) Mikael Jumppanen, University of Helsinki 26.500 Sydämen hypertrofiaa estävien yhdisteiden syntetisoiminen ja analysointi.

MSc Marika Kalpio, University of Turku 6.250 Strategies for analyzing the regio- and stereospecific structure of individual triacylglycerols in complex mixtures.

MSc Heta Mattila, University of Turku 10.520 Fotosynteettisen elektroninsiirron säätely: fotoinhibitio, singlettihappi ja plastokinoni.

MSc Benjamin Nji Wandji, University of Turku  
25.000 Metabolic Engineering for Production  
of Novel Anthracycline Anticancer Agents.  
MSc (Tech.) Cristina Palma, Tampere University  
25.000 Dynamics and Regulatory Mechanisms  
of Closely Spaced Promoters.  
MSc (Tech.) Jusa Reijonen, University of Eastern  
Finland 25.000 Neuroplastisiteetin kartoitus  
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PhD Atena Rezaei, Tampere University 25.000  
Advanced Modeling for Localization and  
Stimulation of Brain Activity with the Open-  
Source Zeffiro Interface.  
MSc Anu Toropainen, University of Eastern  
Finland 25.000 Role of coronary artery dis-  
ease -associated genetic variation in the  
regulation of cell type specific enhancer  
activity.

#### EMIL ÖHMANN FOUNDATION 14TH OCTOBER

Prof. Marja Järventausta, Universität zu Köln  
2.170 Grant for organizing a seminar.  
Dr. phil. Liisa Laukkanen, University of Jyväskylä  
1.000 Travel grant for research: "Hermann  
Daniel Paul suomalais-saksalaisten kulttuu-  
risuhteiden välittäjänä"  
Prof. Hartmut Lenk, University of Helsinki 3.800  
Grant for organizing a seminar.  
MA Henrik Oksanen, Tampere University  
24.000 Grant for research "Pragmatische  
Einflüsse auf syntaktische und textstruk-  
turelle Merkmale deutscher und finnischer  
Rechtstexte"

Prof. Sandra Reimann, University of Oulu 5.000  
Grant for organizing a seminar.  
PhD Heidi Vaarala, University of Jyväskylä / Fin-  
nish Institute in Germany 1.530 Travel grant  
for research "Transnationaali kuvataiteilija  
kielen/kielten käyttäjänä Berliinissä"  
MA Anna-Maija Ylä-Mattila, University of Jyväskylä 7.500 For research "Ääriliikkeiden terro-  
rismi ja uhriuden rakentuminen saksalaisessa  
yhteiskunnallisessa keskustelussa"  
MA Anna Vuorinne, University of Turku 3.000  
Institute Grant for short term research work  
at the Finnish Institute in Germany



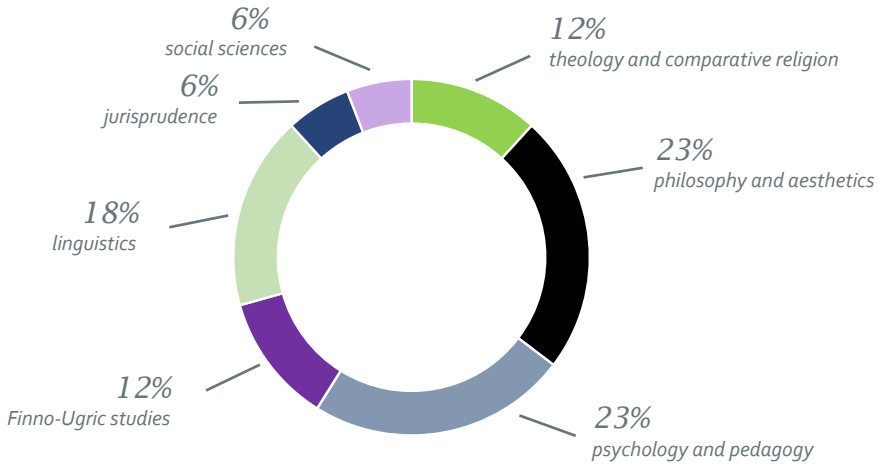
*The Vice President, Anna Mauranen, the Secretary General, Pekka Aula, and the President, Risto Nieminen, presented the recipients of grants from the Vilho, Yrjö and Kalle Väisälä Fund in 2019 with their diplomas at the House of the Nobility in Helsinki on 9th December.*



## GRANT STATISTICS

### GRANTS FROM THE EINO JUTIKKALA FUND

#### GRANTS AWARDED IN 2019 BY FIELD OF STUDY

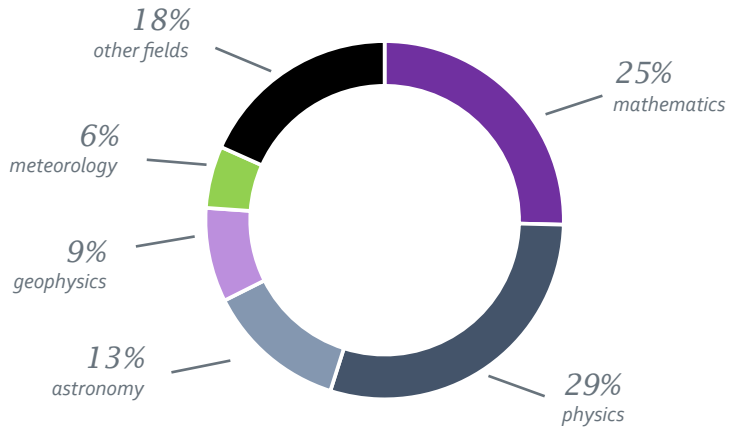


#### APPLICATIONS RECEIVED AND GRANTS AWARDED IN 2008–2019



GRANTS FROM THE VILHO, YRJÖ AND KALLE VÄISÄLÄ FUND

GRANTS AWARDED IN 2019 BY FIELD OF STUDY



APPLICATIONS RECEIVED AND GRANTS AWARDED IN 2008–2019

