

# Grants

## EINO JUTIKKALA FUND 10 OCTOBER

- MEc, MSS Lotta Allemand, University of Helsinki 26 000 Lapset puheeksi -menetelmä kouluympäristössä. (pedagogy)
- LLM Kamrul Faisa, University of Helsinki 26 000 The Right to Be Forgotten in Spent Criminal Convictions: A European Data Protection Laws Perspective. (jurisprudence)
- MHS Lynda Gilby, Tampere University 26 000 Reproductive Politics and Universal Health Coverage – Deconstructing US and EU Networks. (social sciences)
- MA Annikka Immonen, University of Turku 27 500 Katoava aika – Muistipolun toimijoiden kokemuksesta rakentava muistisairaajan ajallisuus ja toimijuus. (history)
- MA Merja Karjalainen, University of Jyväskylä 28 500 Henkisen työn työsuojelun historia osana työsuojeluhallinnon toimintaa vuosina 1993–2010. (history)
- LLM Jussi Koivusalo, University of Helsinki 26 000 Public policy considerations and EU competition law. (jurisprudence)
- MSS Andrea Lorenz-Wende, University of Jyväskylä 26 000 Omaisolettama – rajanvetoa työikäisten omaisten ja julkisen vallan hoivavastuun välillä ikääntyneiden hoivassa. (social sciences)
- MSS Tero Mäkelä, University of Turku 26 000 Välittämisen filosofia. (philosophy)
- MSS, LLB Berfin Nur Osso, University of Helsinki 26 000 "Access to Right to Have Rights: Managing Migration at the EU's External Borders. (jurisprudence)
- MA, MDiv Nikolai Paukkonen, University of Helsinki 26 000 Evaluation of Photogrammetry and Laser Scanning as Archaeological Documentation Tools. (archaeology)
- MA Sini Peltokorpi, University of Turku 26 000 Näkömonivammaisten lasten ja heidän



During the COVID-19 pandemic, awards and grants could only be celebrated in online events. In October 2022, the Eino Jutikkala History Prize, the Prize for the Humanities and the grants were again announced as usual at the House of the Estates.

- vanhempiensa välinen vuorovaikutus ja sen tukeminen. (social sciences)
- MA Heidi Pitkänen, University of Turku 29 300 Navigoinnin kehitys ja opetus Ruotsissa ja Suomessa 1740–1840. (history)
- MA Taneli Puputti, University of Jyväskylä 29 093 Historical Knowledge as Capital: Early Transmission and Circulation of Flavio Biondo's Decades. (linguistics)
- MA Juho Pystynen, University of Helsinki 26 000 Innovations in Finnic vocalism. (Fenno-Ugric studies)
- MEc Jukka-Pekka Pyylampi, University of Helsinki 26 000 Measuring Finnish Output Gap and Rules-Based Fiscal Guidance: Past & Present Estimates. (social sciences)
- MEc Niina Sal, LUT University 26 000 Väli-aikaisten asiantuntijaryhmien tiedon luomisen johtamiskäytänteet digitaalisella yhteistyöalustalla. (social sciences)
- MSS Jussi Systä, Tampere University 26 000 Talouspolitiikan arviointineuvosto ja talouspoliittinen hegemonia. (social sciences)
- MDiv Anna Tiittanen, University of Helsinki 26 000 Experiencing miracles on pilgrimage to Rome (c. 300–600). (history)
- MA Milla Virolainen, University of Jyväskylä 26 000 Parliamentarians Debating Democracy in a Time of Crisis: How was Democracy Viewed and Defined by French Politicians 1927–1940. (history)

## VILHO, YRJÖ AND KALLE VÄISÄLÄ FUND 12 DECEMBER

### Mathematics

- MA Veeti Ahvonen, University of Tampere 26 000. Kuvailevan vaativuusteorian uudet suuntaukset. (PhD grant)
- MSc Kalle Alaluusua, Aalto University 26 000 Community recovery in sparse random graphs. (PhD grant)
- MSc Matilda Häggblom, University of Helsinki 26 000 Axiomatization, Approximation and Probability under team semantics. (PhD grant)
- MSc Rahim Kargar, University of Helsinki 26 000 Metrics and Quasiconformal Maps. (PhD grant)
- MA Antti Kykkänen, University of Jyväskylä 26 000 Epäsileää elastista geometriaa ja röntgentomografiaa. (PhD grant)
- MSc Okko Makkonen, Aalto University 26 000 Turvallisen hajautetun laskennan matemaattinen perusta. (PhD grant)
- MSc Jaakko Pere, Aalto University 26 000 On extreme behavior of multivariate and infinite dimensional observations. (PhD grant)
- MA Olli Sarala, University of Oulu 27 000 Non-negative matrix tri-factorization for mass spectral time-series data: A Bayesian approach. (PhD grant)
- MSc Angelina Senchukova, LUT University 26 000 Sparse X-Ray Tomography with Data-Driven Priors for Sawmill Log Imaging. (PhD grant)

- MA Mika Sipilä, University of Jyväskylä  
26 000 Independent vector analysis.  
(PhD grant)
- MA Ensio Suonperä, University of Helsinki  
26 000 Tehokkaita ratkaisumenetelmiä  
bilevel-ongelmien optimointiin.  
(PhD grant)
- MSc Lauri Särkiö, Aalto University 26 000  
Regularity of parabolic double phase  
systems. (PhD grant)
- MSc Tuomas Takko, Aalto University 13 000  
Agenttipohjainen mallintaminen komp-  
leksisissa verkostoissa. (PhD grant)

### Physics

- MSc Kameyab Raza Abidi, University of  
Jyväskylä 26 000 Understanding of  
Buckling in Two-Dimensional Metals.  
(PhD grant)
- MSc Jaakko Annala, University of Helsinki  
26 000 Cosmology: from Inflation to  
electroweak phase transition. (PhD grant)
- MSc Kristian Arjas, Aalto University 26 000  
Topologinen plasmonilaseri. (PhD grant)
- MSc Dana Avramescu, University of Jyväskylä 26 000  
Transport of hard probes in  
the Glasma. (PhD grant)
- MSc Shudhashil Bharthuar, University of  
Helsinki ja CERN 3 600 (grant for rese-  
arch visit)
- MSc Xiaoqi Cui, Aalto University 26 000  
Ultra-miniaturised on-chip spectrome-  
ters via a semiconducting single-junc-  
tion. (PhD grant)
- MA Markku Hahto, University of Helsinki  
26 000 Temporal quantum networks.  
(PhD grant)
- MSc Mathilde Hary, University of Tampere ja  
University Bourgogne Franche-Comté  
4 400 (grant for research visit)
- MA Matti Hellgren, University of Jyväskylä  
26 000 Astrofysikaalisten neutriinoiden  
sironna raskaista ja keskiraskaista ato-  
miytimistä. (PhD grant)
- MA Ella Häkkinen, University of Helsinki  
26 000 Novel techniques to understand  
the chemistry of organic aerosol forma-  
tion in the atmosphere. (PhD grant)
- MSc Arthur Jaries, University of Jyväskylä  
ja LPC Caen 4 500 (grant for research  
visit)
- MA Elina Kauppinen, University of Jyväskylä  
26 000 Double beta decay and dark  
matter calculations. (PhD grant)
- MSc Lea Kopf, University of Tampere 28 250  
Multi-partite high-dimensional quan-  
tum entanglement in the spatio-tem-  
poral domain through cascaded down-  
conversion. (PhD grant)
- MA Eero Koponen, University of Eastern  
Finland 6 500 Synteettinen schlieren-  
tomografia ultraäänikenttien mittaami-  
seen. (PhD grant)
- MA Tomi Kupiainen, University of Helsinki  
26 000 Hiukkasten oskillaatioista  
kvanttikenttäteoriassa. (PhD grant)
- MSc Joonas Lahtinen, University of Tampere  
26 000 Advanced Modelling for Locali-  
zation and Stimulation of Brain Activity  
with the Open-Source Zeffiro Interface.  
(PhD grant)
- MSc Jiaqi Li, University of Tampere 26 000  
Erittäin nopea korkearesoluutioinen  
kuvantaminen keski-infrapuna-alueella  
tila-spektrisesti räätälöidyn superjatk-  
vuuden kanssa. (PhD grant)
- MSc Ilari Lilja, Aalto University 26 000 Jat-  
kuvan muuttujan klusteritilojen muo-  
dostaminen Josephsonin parametrisissä  
systeemeissä. (PhD grant)
- MSc Kurt Meier, University of Jyväskylä  
26 000 Superconducting spintronics  
and nonequilibrium effects. (PhD grant)
- MA Jouni Ruotsalainen, University of Jyväskylä 26 000 MR-TOF-assisted Pen-



The grants from the Vilho, Yrjö and Kalle Väisälä Fund and the Väisälä Prizes were announced at the December theme night at the House of the Estates.

- ning-trap mass spectrometry of neutron deficient nuclei and double beta decay Q-value measurements. (PhD grant)
- MA Alex Stendahl, University of Helsinki 26 000 Dark Matter direct detection with the COSINUS experiment. (PhD grant)
- MSc Wai Hong Tam, University of Helsinki 26 000 Deep learning into phase transition in QCD. (PhD grant)
- MSc Jaana Tiainen, University of Jyväskylä 26 000 Novel neutron detector for patient dose monitoring during BNCT treatments. (PhD grant)
- MA Sasu Tuohino, Aalto University 26 000 Implementation of multiqubit gates for unimon qubits. (PhD grant)
- MA Tomi Vuoriheimo, University of Helsinki 13 000 Irradiation-induced defects and their effect to fuel retention in the next step fusion plasma armour materials. (PhD grant)
- MSc Iuliia Zhelezova, University of Helsinki 26 000 Point defects and radiation hardness of beta-gallium oxide (beta-Ga2O3) semiconductor crystals. (PhD grant)
- MA Juuso Österman, University of Helsinki 13 000 Perturbative Loop-level Technologies in Dense and Hot Particle Theories. (PhD grant)

### **Astronomy**

- MA Ilari Angervuori, Aalto University and University of Notre Dame 4 349 (grant for research visit)
- MA Sofia Forsblom, University of Helsinki 26 000 Study of polarized emission from highly magnetized neutron stars in the X-ray band. (PhD grant)
- MA Veera Juntunen, University of Oulu 26 000 Auringon ilmastovaikutusten merkitys yhteiskunnan energiankulutukselle ja -tuotannolle. (PhD grant)

- MA Suvi Korhonen, University of Helsinki and University of Tartu 26 000 Galaxy filaments: cosmic highways of the matter. (PhD grant)
- MSc Marcus Nicolai Pedersen, University of Oulu 28 000 Global evolution and variability of field-aligned and ionospheric current systems during geomagnetic storms. (PhD grant)
- Adj. Prof.. Sergey Tsygankov, University of Helsinki and Oxford University 2 500 (grant for research visit)
- Adj. Prof.. Heikki Vanhamäki, University of Oulu, University of Bergen and Johns Hopkins University 3 640 (grant for research visit)

### **Geophysics**

- MSc Otto Kärhä, University of Oulu 26 000 Evolution of magnetic oval in daily, monthly and yearly time-scales. (PhD grant)
- MSc Nicholas Larsen, University of Oulu 26 000 Statistical analysis of space weather effects during GLE events. (PhD grant)
- MSc Habtamu Wubie Tesfaw, University of Oulu 13 000 Incoherent scatter radar methods for studying electron precipitation and ion composition. (PhD grant)
- MSc Mikhail Vokhmianin, University of Oulu 26 000 New methods for predicting solar influence on climate: Long-term prediction of Sudden Stratospheric Warmings. (PhD grant)

### **Meteorology**

- MA Umer Alvi, University of Helsinki 26 000 Modelling spatio-temporal temperature variability in urban environment based on remote sensing and in situ observations: Case study of Turku. (PhD grant)

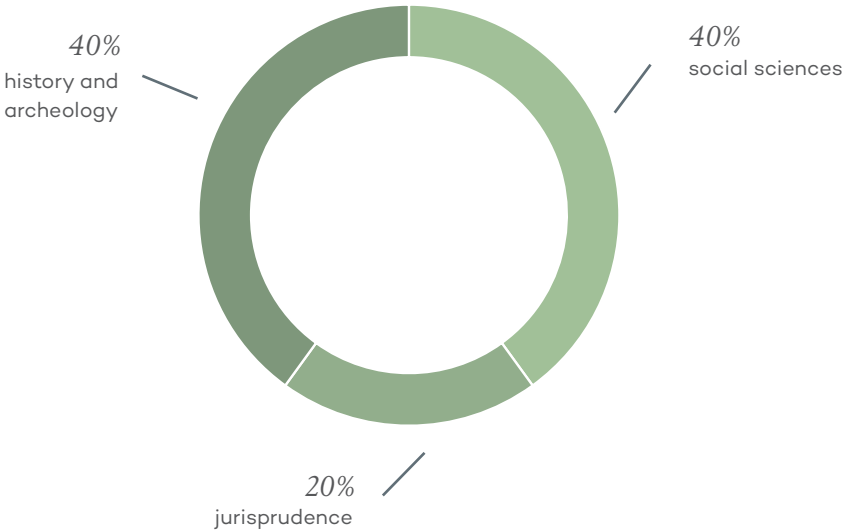
- PhD Maxime Grandin, University of Helsinki and University Centre in Svalbard 4 000 (grant for research visit)
- MSc Ruqaya Khammas, University of Tampere 13 000 Thermally sprayed slippery liquid-infused porous surfaces (TS-SLIPS) for anti-icing applications. (PhD grant)
- MSc Jenna Ritvanen, Finnish Meteorological Institute 28 450 Konvektiosateen lähihetkiennustaminen kaksoispolarisaatiotutkien ja fysiikkaan perustuvien koneoppimismenetelmien avulla. (PhD grant)
- MSc Laura Salo, University of Tampere 13 000 Pienhiukkasten sähköisten mittaustentelmien arviointi ja kehitys. (PhD grant)
- MSc Gabin Urbancic, University of Helsinki 28 250 Topical studies on the role of submeso scale motions in stably stratified geophysical flows in polar regions. (PhD grant)
- Other fields**
- MSc Basheer AL-Anesi, University of Tampere 26 000 Perovskite-Inspired materials for Indoor Photovoltaics – towards global net-zero emissions (InPho). (PhD grant)
- MSc Maria Christodoulou, University of Helsinki 26 000 Kätkeyty mikrobiologiset aarteet: Äärimmäisissä ympäristöissä elävien syanobakteerien monimuotoisuuden, fylogenia ja bioaktiivisten aineiden tuoton tutkimus. (PhD grant)
- MSc Suchintak Dash, University of Tampere 26 000 Characterization of bacterial genetic thermoregulation mechanisms and their use in bioengineering applications. (PhD grant)
- MSc Khalil Elbadri, University of Helsinki 26 000 Engineered plant virus for delivering gene therapy targeting Melanoma, combined with photothermal therapy and delivered by Microneedles. (PhD grant)
- BM Jenni Hekkanen, University of Oulu 3 500 p-aallon ja t-aallon morfologian vaihtelu 12- kytkentäisessä sydänsähkökäyrässä sydänperäisen äkkikuoleman riskinarvioinnissa. (PhD grant)
- MSc Rahul Jagadeesan, University of Tampere 26 000 Gene expression dynamics in operons during energy-driven genome-wide stresses. (PhD grant)
- MSc Mikael Karjalainen, University of Jyväskylä 6 500 Uusien NMR (ydinmagneettinen resonanssi) -menetelmien kehittäminen ja soveltaminen muiden laskennallisten työkalujen kanssa sisäisesti epäjärjestyneiden proteiinien rakenteen sekä toiminnan tutkimiseen SH3-välitteisissä isäntä-patogeenivuorovaikutuksissa. (PhD grant)
- MA Ingrid Karppi, Åbo Akademi University 26 000 Gene and enhancer reprogramming upon cell differentiation and stress. (PhD grant)
- MSc Shrinidhi Madhusudan, University of Helsinki 26 000 Deciphering the role of DLX5 in human GnRH neuron ontogeny with CRISPR activation. (PhD grant)
- MSc Randa Mahran, University of Helsinki 26 000 Analyttiset toiminnalliset kemialliset työkalut guanosiinitrifosfaatin (GTP) ja siihen liittyvien sideaineiden seurantaan. (PhD grant)
- MA Mikko Mankinen, University of Jyväskylä 14 430 Asettelu- ja liike-epävarmuuksien vaikutukset hoitoannoksen toteutumiseen rintasyövän kaarimoduloidussa sädehoidossa. (PhD grant)
- MA Joose Peitola, University of Eastern Finland 26 000 Atlas-based muscle force-driven musculoskeletal finite element

- modeling platform to optimize rehabilitation planning of patients with osteoarthritis. (PhD grant)
- MSc Ramchandran Siddharth, Aalto University and University of Oxford 7 500 (grant for research visit)
- MSc Sinja Taavitsainen, University of Tampere and Karolinska Institute 5 000 (grant for research visit)
- MSc Sofia Tauriainen, Aalto University 26 000 Aktiivisuuden ja tarkkaavuuden häiriöoireiden mittaaminen objektiivisesti luonnollisessa kontekstissa. (PhD grant)
- MSc Sami Vesämäki, University of Tampere 26 000 Kosteusherkkien atsobentseenien karakterisointi ja ohutkalvosenso-reiden kehitys. (PhD grant)
- MSc Chahira Zerouki, University of Eastern Finland 18 750 Männyn talvihomeen *Phacidium infestans* DSM 5139 tutkimisen genomiikan ja massaspektrometrian avulla. (PhD grant)
- MA Tommi Österlund, University of Helsinki 26 000 DNA-templatoitu glykosylaatio. (PhD grant)

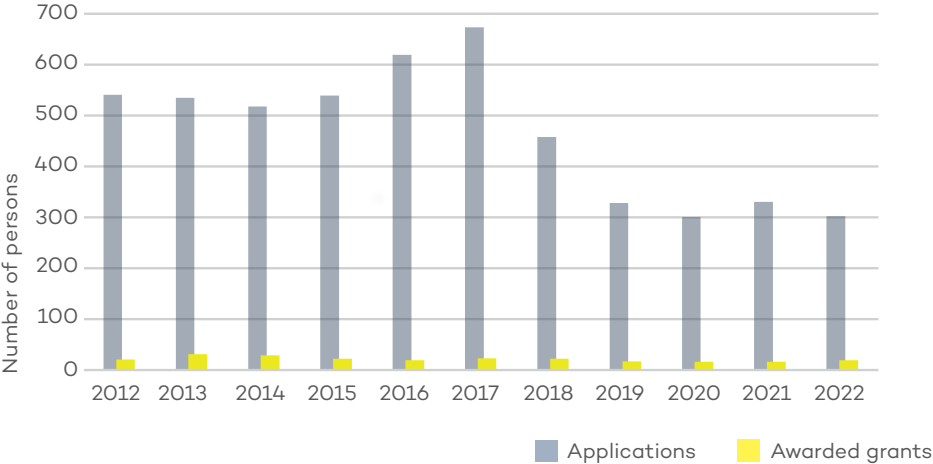


## GRANTS FROM THE EINO JUTIKKALA FUND IN 2022

### GRANTS AWARDED IN 2022 BY FIELD OF STUDY

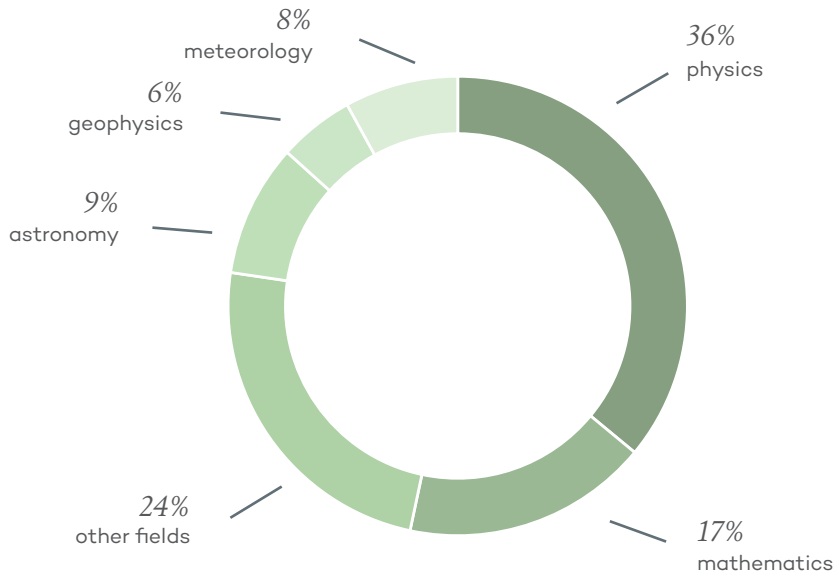


### APPLICATIONS RECEIVED AND GRANTS AWARDED IN 2012–2022



GRANTS FROM THE VILHO, YRJÖ AND KALLE VÄISÄLÄ FUND IN 2022

GRANTS AWARDED IN 2022 BY FIELD OF STUDY



APPLICATIONS RECEIVED AND GRANTS AWARDED IN 2012–2022

