

CV

Personal details and date of CV

- Family name: Heinonen
- Given names: Lauri Matias
- Researcher ID (ORCID): <https://orcid.org/0009-0002-8015-7106>.
- Homepage on the University of Bamberg website: <https://www.uni-bamberg.de/digihist/team/prof-dr-werner-scheltjens-1/>.
- Profile in the research portal of University of Bamberg, Germany: <https://fis.uni-bamberg.de/entities/person/aada67f4-84c9-4071-b1c2-fad50e0c2107>.
- Profile in the research portal of University of Helsinki, Finland: <https://researchportal.helsinki.fi/en/persons/lauri-matias-heinonen>.
- My email at the University of Bamberg: lauri.heinonen@uni-bamberg.de.
- LinkedIn: <https://www.linkedin.com/in/lauri-m-heinonen>.
- CV was created on Friday, June 6, 2025.

Degrees and academic titles

- **Future degree: Dr. Phil/PhD**
 - Starting date: August 15, 2024.
 - Study programme:
 - Bamberg Graduate School for Medieval Studies (BaGraMS).
 - Academic institution: University of Bamberg, Germany.
 - Field: History.
 - Thesis supervisor:
 - Professor Dr. Werner Scheltjens, Professor of Digital History at Institute of History and European Ethnology, Faculty of Humanities, University of Bamberg.
 - Thesis title: My thesis does not yet have a title. However, we have so far agreed that I will write three articles as a part of my work in the “*The ‘invisible carriers’ on the Rhine, 1630-1810*” project. However, I will also write one or two more articles and an introduction to my thesis besides the three articles with following themes agreed on already:
 - “*Tariffs, privileges and trade barriers on the Rhine in the early modern period*”
 - “*A quantitative analysis of shipping and trade on the Rhine based on the SSZ*”
 - “*Evidence of industriousness in Rhine shipping in the early modern period*”.

- **MA in Social Science (Finnish: valtiotieteiden maisteri, abbreviated VTM)**
 - Date of completion: October 27, 2023.
 - Academic institution: University of Helsinki, Finland.
 - Study programme: Master's programme in Society and Change.
 - Specialization in Economic and Social History.
 - Minor fields: Russian language (30 ECTS) and Mandarin Chinese language (26 ECTS in the module, 40 ECTS in total).

- **BA in Social Science (Finnish: valtiotieteiden kandidaatti, abbreviated VTK)**
 - Date of completion: December 20, 2019.
 - Academic institution: University of Helsinki, Finland.
 - Study programme: Economic and Social History.
 - Minor field: Russian and East European Studies with Economics (37.5 ECTS) and statistics (25 ECTS).

Language skills

General notes

The language skill levels below are expressed in Common European Framework of Reference (CEFR) levels available here: <https://www.coe.int/en/web/common-european-framework-reference-languages/table-1-cefr-3.3-common-reference-levels-global-scale>.

By language

- Native language: **Finnish**

- Other language skills:
 - **English:** level C2 on CEFR.
 - **German:** about level B1-B2 on CEFR.
 - **Swedish:** level C1-C2 on CEFR.
 - **Russian:** level B2-C1 on CEFR.
 - **Mandarin Chinese:** level B1-B2 on CEFR.

Current work experience

- **Job title: Project researcher in the Arctic Axis project of the Finnish National Defence University (FNDU)**
 - Employer: Finnish National Defence University (FNDU), Finland.
 - Time: currently March 1, 2025 – October 31, 2025.
 - Place: Helsinki, Finland.
 - Description: As a side project, I work as a project researcher in the Arctic Axis project of the Finnish National Defence University (FNDU). The university trains officers for the Finnish Defence Forces and does military science research. The project studies the co-operation of China and Russia in the Arctic region. My contribution to the project is studying the history, the current state and the prospects of the Sino-Russian military technological co-operation, especially through Chinese academic literature and Russian academic literature written in the respective language of these countries. After my term as a project researcher ends, my results will be published in an open access report by the FNDU.
- **Job title: PhD researcher in a salaried position in the project “*The ‘invisible carriers’ on the Rhine, 1630-1810*”**
 - Employer: University of Bamberg, Germany.
 - Time: initially August 15, 2024 – October 31, 2026 with an option for extension.
 - Place: Bamberg, Germany.
 - Career phase: phase I as described by the Finnish Ministry of Education and Culture: <https://julkaisut.valtioneuvosto.fi/handle/10024/79382>.
 - Description: I am doing my PhD studies as a salaried researcher in Prof. Dr. Werner Scheltjens’ project “*The ‘invisible carriers’ on the Rhine, 1630-1810*”.
 - Currently, I am reading literature relevant for my PhD thesis and starting the data analyses.
 - I will do the data analyses in 2025.
 - In 2026 and 2027, I will write three journal articles on the history of early modern international trade in the Rhine region. The themes of the articles have been agreed in advance. I will also write one or two extra articles and an introduction to finish my PhD thesis.
 - For more information about my work in the project, please contact Prof. Dr. Scheltjens.
- **Job title: Visiting researcher**
 - Employer: University of Helsinki, Finland.
 - Time: initially August 1, 2024 – July 31, 2026 with an option for extension.
 - Place: Helsinki, Finland.
 - Description: I am a visiting researcher at the University of Helsinki. In this position, I continue my research co-operation with the research team of Prof. Dr. Jari Eloranta, Professor of Economic History. The current focus of our research co-operation is the human capital involved in historical innovation. Our forthcoming article “**Independent Innovation in Late-industrializing Finland, 1890-1940**” studies the human capital of Finnish historical inventors who made patents in Finland between 1890-1940. The article will be published in the “Social Science History” journal.

Prior work experience

- **Job title: Co-ordinator trainee**
 - Employer: City of Tampere, Tampere, Finland
 - Time: August 14 – December 15, 2023.
- **Job title: Economist intern**
 - Employer: Bank of Finland or the Finnish central bank its Bank of Finland Institute for Emerging Economies (BOFIT), Helsinki, Finland.
 - Time: May 16 – September 11, 2022.
- **Job title: Embassy intern**
 - Employer: Finnish embassy in Moscow, Moscow, Russia
 - Time: September 1, 2021 – February 28, 2022.
- **Job title: Research assistant in the “Nordic Fiscal States from the 16th to the 21st Centuries” project**
 - Employer: University of Helsinki, Helsinki, Finland.
 - Time: October 1, 2020 – June 30, 2021.
- **Job title: Research assistant in the “The Finnish Patent Database (1842-1940): towards new histories of patenting, innovation and human capital” project**
 - Employer: University of Helsinki, Helsinki, Finland.
 - Time: March 18 – June 30, 2019 and October 15, 2019 – September 30, 2020.
- **Job title: Research assistant in the “Työ, tasa-arvo ja julkisen vallan politiikka (Work, Inequality and Public Policy, WIP)” project**
 - Employer: University of Helsinki, Helsinki, Finland.
 - Time: November 28 - December 31, 2017 and February 5 – June 2, 2018.

Research funding and grants

- I received a **5000 euro grant at Emil Aaltonen foundation in Finland in May 2024**. I applied for the grant in February 2024 as a first funding for my original PhD thesis project idea.

Research output

Upcoming

- **My first PhD thesis article in the Economic History Yearbook**
 - Themes for the call for papers: big data and use of artificial intelligence (AI) in economic history with a deadline in December 2025.
 - Among potentials themes for my article, I have the international trade, patterns of trade, tariffs and signs of increased industriousness in the Rhine area in the early modern period.
- **My report for the Arctic Axis project of the Finnish National Defence University (FNDU)**
 - Open access report on the Sino-Russian military technological co-operation.
- **Article "Independent Innovation in Late-industrializing Finland, 1890-1940" in the Social Science History (SSH) journal**
 - Human capital of Finnish inventors in 1890-1940.
- **Poster paper for the conference proceedings of Digital Humanities in the Nordic and Baltic Countries 2025 conference (DHNB 2025)**

Published

- **Master's thesis at the University of Helsinki: "Independent innovation from 1880 to 1940 in Finland: Evidence from Patent Data and Inventor Biographies"**
 - My Master's thesis is available in the Helda thesis database of the University of Helsinki here: <https://helda.helsinki.fi/items/28fd70da-e1dc-43a2-b1fd-8bae068dce2f>.
- **Bank of Finland, BOFIT Policy Brief 1/2023: "The effects of the war on the Ukraine economy: The situation at the end of 2022"**
 - The report is available in the Kaisu publishing system of the Bank of Finland here: <http://urn.fi/URN:NBN:fi-fe202301204994>.

Unpublished

- **Research infrastructure: Finnish Patent Database (1842-1940)**
 - The Finnish Patent Database has not yet been published online but has been used in Finnish research contributions such La Mela, Turunen & Eloranta (2022), Heinonen (2023), Varjo (2023) and Heinonen, La Mela & Eloranta (upcoming).

Teaching merits

Pedagogical training

Zertifikat Hochschulelehre der Bayerischen Universitäten - Grundstufe (60 Arbeitseinheiten (AE) oder 45 Stunden)

- Literal translation: Certificate of University Teaching at Bavarian Universities - Basic Level (60 Arbeitseinheiten (AE) or 45 hours)
- The Bavarian universities have a shared, three stage programme for training of university pedagogy (Grundstufe, Aufbaustufe and Vertiefungsstufe or basic, advanced and specialization level). I have completed the first level of this training.
- For more information about the Bavarian university pedagogy certificates, please see the website of the ProfiLehre Plus or the organisation governing the certificate
 - The website is available here: <https://profilehreplus.de/en/certificate/certificate>.
- I have not officially applied for the certificate, but I have all the coursework done and registered in ProfiLehre Plus for this.

Teaching experience

Upcoming classes

Assistant teacher at the class “Introduction to Historical Data Analysis” at the University of Bamberg in the winter semester 2025-2026 (WS 2025-2026)

- I will not teach at the class in the summer semester 2025 (SS 2025) but will very likely teach at it again in WS 2025-2026. For a description of the class, please see the section “Classes taught so far”.

Classes taught so far

Assistant teacher at the class “Introduction to Historical Data Analysis” at the University of Bamberg in the winter semester 2024-2025 (WS 2024-2025)

- I taught tutorials and occasionally lectures at the “Introduction to Historical Data Analysis” class between November 6, 2024 and February 5, 2025 in the winter semester (WS) of 2024-2025 at the unit of digital history at the University of Bamberg, Germany. The language of instruction was English.
- The class description in the class information system UniVis of University of Bamberg was the following:
 - In this course, students learn the basics of historical data analysis step by step. Through small exercises, students get acquainted with methods for processing text, image and tabular data. In the second step, these methods are also applied

to historical data. Through practical engagement with the provided working materials, students learn about the opportunities and challenges of historical data analysis and develop skills to deal with these challenges effectively.

Awards and merits

- I received the **2nd place in the 2024 Master's thesis award competition of Finnish Society for History of Technology** (Tekniikan historian seura or THS). The competition was open for Master's theses published in Finnish universities in the academic year of 2022-2023 on the history of technology and science.

Most important other academic merits

Public expert appearances

- **The Day of Finnish Technology Museums, December 4, 2024**
 - The recording of my presentation and my answers to the questions by the audience, all in Finnish without subtitles, are available on my YouTube channel here: <https://youtu.be/-nldFwGxsEM>.

Upcoming seminars and conferences

- **World Economic History Conference 2025 (WEHC 2025), University of Lund, Sweden, July 25-29, 2025**
 - I will give a presentation on my PhD research with the title “*Getting Overseas Goods to the Mainland: The Mechanics of the Rhine Trade in the Eighteenth Century*”.

Seminars and conferences that I have participated in

- **Baltic Connections Conference 2025, University of Helsinki, Finland, May 21-23, 2025**
- **QUILT Project Kick-Off Workshop (Quantifying Illicit and Licit Trade), University of Helsinki, Finland, May 19-20, 2025**

- **Tag für die Promovierenden des BaGraMS, University of Bamberg, Germany, May 15, 2025**
- **Digital Humanities in the Nordic and Baltic Countries 2025 (DHNB 2025), National Museum of Estonia, March 3-4 and March 5-7, 2025**
- **Economic and Social History Research Seminar of the Economic and Social History department, University of Helsinki, Finland February 26, 2025**
- **Summer School in Social Science History 2024, University of Jyväskylä, Finland, June 17-18, 2024**
- **Baltic Connections: Conference in Social Science History 2024, University of Jyväskylä, Finland, June 12-14, 2024**
- **Finnish Economic History Association Day for Young Researchers, House of Sciences and Letters in Helsinki, Finland, January 22, 2024**
- **Interdisciplinary and Historical Perspectives on Technology online workshop organised in connection to the Baltic Connections 2021 conference, April 19, 2021**

Seminars and conferences that I have organised

- **ISHA Helsinki** student organisation (International Students' of History Association) held an **international student seminar with theme "Historical Consciousness"** in Helsinki, Finland, from **Monday, July 24, 2017, to Saturday, July 29, 2017**
 - More information about the seminar, please see my LinkedIn profile: <http://www.linkedin.com/in/lauri-m-heinonen>.
 - Please note that ISHA Helsinki ceased its activities in spring 2024.