# Curriculum Vitae

**Dr. DINARA GAGARINA, PhD**

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## Contact Information:

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## Personal Data:

- Born: December 20, 1980

## Languages:

- English (C1).
- German (B1).
- Kazakh, Kyrgyz, Tatar (A2).
- Russian (native).

## Education and Dissertations:

- PhD (Pedagogical Science / Doctor of Education) in Digital Education in History, Russian Academy of Education, Moscow, 2009.
- Professional Requalification in History, Perm State University, Russia, 2019.
- MA in Mathematics (Mathematical Modeling), Perm State University, Russia, 2004.
- BA in Mathematics, Perm State University, Russia, 2002.

## Additional (selected):

- European Summer University in Digital Humanities "Culture & Technology", Leipzig University, Germany, 2016, 2017, 2018, 2019, 2022, 30 ECT. Courses:
    - Data Management for the Humanities;
    - Digital Research Infrastructures in the Humanities;
    - Procedural Creativity and Digital Humanities Scholarship;
    - Visual Artificial Intelligence for the Digital Humanities;
    - Humanities Data and Mapping Environments;
    - Computer Vision Intervention;
    - Reflected Text Analysis in the Digital Humanities;
    - Text to Map.

- Other programs in Digital Humanities (selected):
    - "Beyond Editing: Advanced Solutions and Technologies"), DARIAH, Prague University, 2017.
    - "TXM technology", Laboratory ICAR, University of Lyon, France, 2015.
    - "Textual heritage and modern information technologies El'manuscript", Russia, Bulgaria, 2008, 2009, 2010, 2014.
    - "Scientific and educational information systems for historians", University of Cologne, Germany, 2007.
    - "Information technologies in teaching humanities", University of Graz, Austria, 2007.

## Employment:

- Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany, July 2023 – present:
    - Chair of Modern and Eastern European History: researcher.
- Faculty of Liberal Arts and Sciences, Budva, Montenegro, November 2022 – present:
    - Digital Humanities Major: head of the major and lecturer, distant contract.
- American University of Central Asia, Bishkek, Kyrgyzstan, February 2023 – August 2024:
    - Visiting research fellow and visiting professor in Human Rights and Digital Humanities.
- HSE University, Moscow campus:
    - Center for Digital Humanities: acting director, 2021-2022.
    - Department of Linguistics: visiting lecturer, 2022-2023.
- HSE University, Perm campus, 2018-2022:
    - Master's program Digital Humanities: founder and academic supervisor, 2020-2022.
    - Group for Historical Research: head of the group, 2021-2022.
    - Faculty of Social Sciences and Humanities: dean, 2019-2021.
    - Department of Humanities: head of the department (2018-2019); associate professor, 2021-2022.
- Perm State University, 2004-2019:
    - Center for Digital Humanities (till 2016 – Historical and Political Informatics Laboratory): director (2016-2018), researcher, project manager, 2004-2019.
    - Department of Information Technologies: associate professor, 2004-2018.
    - Department of Russian Contemporary History: associate professor, 2009-2018.
    - Master's program Digital Culture: co-founder and lecturer.
    - Master's program Digital History: co-founder and lecturer.
- Visiting lecturer, researcher, consultant, and developer of educational programs at several universities in Russia and Kazakhstan.

## Teaching Courses (selected):

- Digital History: Tools and East European Case Studies.

- Making History in Digital Age: Digital Tools for Historical Research.
- Mastering Digital Historical Projects: From Conception to Completion.
- Art, Technology and Human Rights.
- Digital Humanities: Concepts and Approaches.
- Digital Projects for Social and Cultural Institutions.
- Mathematic Methods in Historical Research.
- Data Science (base level).
- MOOCs on Digital History, Digital Humanities, Digital Literacy, etc.

## Scientific Interests:

- Digital history and digital humanities: methodology, knowledge representation and data modeling, infrastructures, communities.
- History of Russia and Central Asia of 19-20th centuries.
- Information systems and databases in history: data modeling; relational databases; web-applications, etc.
- Machine learning applications, image recognition, visual AI in humanities.
- Mathematical modeling and quantitative methods in history.
- Digital education. Digital humanities pedagogy.
- Social and educational robotics.

## Digital Humanities / IT / Math Skills:

- Data and project management in digital humanities.
- Digital history: databases, GIS, quantity methods, text analysis, 3D reconstructions.
- Programing skills: Python.
- Computer vision for humanities and digital art history.
- Web-development: code and no-code, WordPress, CSS, HTML, PHP, Tilda.
- Relational databases: MySQL, Access.
- Knowledge representation, data modelling, semantic networks, ontologies.
- Mathematics: statistics, algebra, discrete mathematics, mathematical analysis, and other areas used for data analytics and data science.

## Professional Associations Membership:

- European Association of Digital Humanities (EADH).
- Der Verband der Historiker und Historikerinnen Deutschlands (VHD).

# Projects:

## Research Projects Lead:

1. Connecting Disconnected Histories: Soviet Repressions in Central Asia through the Lens of Postcolonial Digital Humanities (2023-present).
2. AI-Driven Analysis of War-Motivated Art (2024-present)
3. RUWART: Russia-Ukraine War Art (2023-2024).

4. Theory and Practice of Digital Humanities (state funding for the establishment and 3-year operation of the Center for Digital Humanities at HSE University: equipment and 12-18 research, IT and manager positions, 2022).
5. Bridge over the Uncanny Valley (study of the influence of physical robots and anthropomorphic AI-based robot avatars on human perception and interaction) (industry funding, 2020).
6. Robotics in Russia: Educational Landscape (2017-2019).
7. Concepts and Approaches of Digital Humanities (Vladimir Potanin Foundation, 2017-2018), dhumanities.ru.
8. Information Environment of Historical Education: Model, Resources, Teaching Methods (Russian Fund for Humanities, 2011-2012).

## Research Projects Coordinator and Researcher:

9. Migration as a Factor in the Social Transformation of USSR Regions during Post-War Reconstruction: A Digital Humanities Analysis (intramural funds, 2020-2022), perm.hse.ru/migration.
10. Oral histoRies on the fAll of The irOn cuRtain (ORATOR) (collaborative project of 17 EU and non-EU universities lead by Luxembourg University, project coordinator from Russia, 2019-2020), www.c2dh.uni.lu/events/oral-histories-fall-iron-curtain-orator.
11. Formation of Parliamentary Subelite in Late Imperial Russia (Russian Foundation for Basic Research, 2016-2018), parliament.psu.ru.
12. The Russian Revolution of 1917 and the Civil War in Perm Province Periodicals (Russian Fund for Humanities, 2016-2017), permnewspapers.ru.
13. Historical Information Systems: Methodological, Theoretical, and Practical Challenges in Development and Implementation (Russian Foundation for Basic Research, 2013-2015), digitalhistory.ru.
14. Perm Province Periodicals (1914-1919) as a Historical Source for the First World War Study: Information System Development and Source Study Analysis (Russian Fund for Humanities, 2014-2015).
15. Parliamentary History of Pre-Revolutionary Russia: A Scientific and Educational Online Portal (Russian Fund for Humanities, 2011-2013).
16. Perm Newspapers of the Kolchak Period: Preservation, Documentation, and Study Through Information Technologies (Russian Fund for Humanities, 2011-2012).
17. Manuscripts and Early Printed Texts: Development of a Software Suite for Recognition Based on Artificial Intelligence Technologies and Parallel Computing (Russian Foundation for Basic Research, 2009-2011).
18. Stenographic Reports of the State Duma, 1906–1917 (Russian Fund for Humanities, 2008-2010).
19. The Perm Provincial Bulletin (1838–1844): Issues of Source Studies and the Preservation of a Historical and Cultural Heritage (Russian Fund for Humanities, 2008-2010).

## Co-applicant and Researcher in Projects:

20. A Biography of Museum Computerization (in collaboration with NGO, state funding, 2022).
21. Heraldry (database and research of the 18th century Russian nobility) (state funding, 2021-2022).
22. Socio-cultural character and behaviour models of deputies in provincial zemstvo assemblies (on materials of Moscow, St. Petersburg and Perm zemstvo of the second half of the XIX century) (Russian Foundation for Basic Research, 2017-2019), zemstvohistory.ru.
23. Ethnic military formations in the First World and Civil Wars (Russian Foundation for Basic Research, 2013-2014).

## Organization of Conferences, Research Seminars, and Summer Schools

24. "Text as Data" Spring School in Digital Humanities, Potsdam, Germany (role: co-organizer, 2025), www.uni-potsdam.de/en/digital-humanities/activities/dh-potsdam-spring-school-2025-texts-as-data.
25. Seminar Series "Digital History in/of Central Asia", Erlangen, Germany (in collaboration with Deutsche Gesellschaft für Osteuropakunde, role: coordinator, 2023-present), www.osteuropa.phil.fau.de/digital-history-central-asia.
26. Round table "Digital Humanities in Central Asia", online (role: project lead, 2023), ca.dhcloud.org.
27. Homo Digitus Marathon 2022 & 2021 (a series of hands-on workshops on various areas of Digital Humanities), Perm, Russia (intramural funding, role: project lead).
28. DH Advent 2020, online (role: co-organizer, 2020).
29. Seminar "Digital Humanities Practice: Methods and Tools", Perm, Russia (intramural funding, role: project lead, 2019), perm.hse.ru/dighum.
30. Summer School "Culture of Totalitarian Society and Memory Studies Cases", Perm, Russia (the DAAD Go East Stipend Program, role: project lead, 2018).
31. Conference "Natural Science Methods in the Digital Humanities Environment", Perm, Russia (Regional Ministry of Science and Education, role: coordinator, 2018), dhconf.ru.
32. International Conference "Digital Humanities: Resources, Methods, Research" (Russian Foundation for Basic Research, role: coordinator, 2017), 2017.dhconf.ru.
33. Bilateral Russian-Austrian Scientific Seminar "Computer Based Methods for the Preservation and Analysis of Cultural Heritage Objects", Vein, Austria (Austrian Science Fund & Russian Foundation for Basic Research, role: coordinator, 2012).
34. Bilateral Russian-Austrian Scientific Seminar "Documentation and analysis of the historical and cultural heritage by historical information science methods", Graz, Austria (Austrian Science Fund & Russian Foundation for Basic Research, role: coordinator, 2009).

## Collaborative projects with GLAM institutions:

35. Space of Participation. Project for the development of interaction between universities and cultural and social industries (Vladimir Potanin Foundation, 2019-2022), fondpotanin.ru/activity/specprojects/prostranstvo-souchastiya.
36. The platform for managing the portal "Museums of Perm University" (intramural funding, role: platform developer, 2018), museum.psu.ru.
37. Creative Laboratory "Digital World" (funding by Regional Ministry of Culture, role: project lead, in collaboration with Perm Museum of Moder Art, 2016), digitalworld.psu.ru.

## Other Projects:

38. DH CLOUD Community (the community of Russian-speaking digital humanists all over the world), co-founder, 2022-present, dhcloud.org.
39. DH to School (projects, courses, and events on digital humanities for schoolchildren, in collaboration with schools and schoolteachers), project lead, 2020-2022.
40. Educational and Scientific Media Portal "Entertaining Robotics", editor-in-chief & CEO, 2014-2022, edurobots.org.

# Selected Publications:

## Publications In Citation Data Bases:

1. Google Scholar: 110 publications, h-index 12: https://scholar.google.ru/citations?user=Z_ilEHIAAAAJ.
2. ResearcherID: http://www.researcherid.com/rid/P-4333-2016.
3. ORCID: https://orcid.org/0000-0002-9727-3974.

## Books:

1. Antopolsky A., Bonch-Osmolovskaya A., Borodkin L., Volodin A., Gagarina D., Grishin E., Kizhner I., Orekhov B., Rumyantsev M., Smetanin A. Digital Humanities Research. Krasnoyarsk: Sibir federal university, 2023. 272 p. bik.sfu-kras.ru/ft/LIB2/ELIB/b71/free/i-494468.pdf (in Russian)
2. Kornienko S., Gagarina D., Povroznik N. Historical Information Systems: Theory and Practice, HSE University press, 2021, 232 p. (in Russian)
3. Gagarina D., Kosaretsky S., Gagarin A., Goshin M. Robotics in Russia: Educational Landscape / ed. by D. Gagarina, S. Kosaretsky. Part 1 & 2. Moscow, HSE University, 2019. (in Russian)
4. Gagarina D. The Advanced Information and Educational Environment of Higher Education Institutions as a Means of Cultivating the Humanities Component in Professional Education: A Case Study of the Russian History Course. Perm, 2009. (in Russian)

5. Gagarina D., Kornienko S. Developing University Students' Information and Communication Competence through the Study of Russian History as a General Education Course. A Methodological Guide. Perm, 2007. (in Russian)

## Other Selected Publications on Digital Humanities:

6. Gagarina D. Digital History in Central Asia: Initiatives, Regional Specifics and Community. In: Bulletin of the L. Gumilyov ENU Series: Historical Sciences. Philosophy. Religious studies. 2024, vol. 148: 36-55. doi.org/10.32523/2616-7255-2024-148-3-36-5

7. Gagarina D. Data and Knowledge Modelling as the Methodological Foundation of the Digital Humanities. In: Disegno 2023/1: 26–45. doi.org/10.21096/disegno_2023_1dg

8. Gagarina D. Russian-Ukrainian War Art: Data Collection and Analysis. In: Digital Humanities 2023: Book of Abstracts. Graz 2023. zenodo.org/records/8107435

9. Gagarina D. Digital Humanities in Central Asia: Notes on the Margins of the Round Table. In: Digital Humanities, 2024, № 1 (in Russian).

10. Ismakaeva I., Kornienko S., Gagarina D., Senina A. Digital Approaches for Studying Elected Representative Institutions in Late Imperial Russia. In: Science and Global Challenges of the 21st Century – Science and Technology. Cham: Springer, 2022, ch. 342: 919-926. doi.org/10.1007/978-3-030-89477-1_83

11. Gagarina D., Kornienko S. Digital Humanities: Educational Landscape. In: Istoriya. 2020, 3 (89): 1-15. https://doi.org/10.18254/S0002188-5-1 (in Russian)

12. Gagarina D., Ismakaeva I. Public History and the Digital Turn (the Russian Case). In: Public History Weekly. 2021, T. 9, No 10. dx.doi.org/10.1515/phw-2021-19124

13. Kornienko S., Gagarina D., Ismakaeva I., Maslov V. Migration as a factor in the social transformation of the regions of the USSR in the period of post-war reconstruction: the creation of a scientific and educational resource. In: Historical research in the context data sciences: information resources, analytical methods, and digital technologies. 2020: 50-52. (in Russian)

14. Gagarina D., Kornienko S. Digital Optics: Micro and Macro in Historical Research. In: Perm University Herald. Series History. 2019, 3: 175-183. (in Russian)

15. Gagarina D. Making DH-course together. In: Digital Humanities 2018. Conference Abstracts. dh2018.adho.org/en/making-dh-course-together/

16. Kornienko S., Gagarina D., Ehlakova A., Sotnik A. The Revolution of 1917 and the Civil War in the Perm Provincial Periodicals: from Sources to the Information System. In: Vlast. 2018, 3. (in Russian)

17. Kornienko S., Gagarina D., Povroznik N. Information Systems in the Digital Environment of Historical Studies. In: Istoriya. 2017, 7 (51). history.jes.su/s207987840001638-0-1/ (in Russian)

18. Kiryanov I., Kornienko S., Gagarina D., Sotnik A. Deputies with Recurring Parliamentary Status in Late Imperial Russia: Case of the State Duma of the Fourth Convocation, 1912–1917. In: Perm University Herald. Series History. 2017, 1 (36): 178-188. (in Russian)

19. Kornienko S., Gagarina D. The First World War in Perm Provincial Periodicals. In Digital Humanities 2016: Conference Abstracts. Jagiellonian University & Pedagogical University, Kraków, 608-609. dh2016.adho.org/abstracts/162

20. Gagarina D., Kornienko S. Digital Editions of Russian Provincial Periodicals for Scholarly Usage. In: Digital Editions: Academia, Cultural Heritage, Society. Cologne, 2016.
21. Kornienko S., Povroznik N., Gagarina D., Harisova A. University and Library: Cooperation in the Field of Preservation and Study of Provincial Periodicals. In: The role of libraries in information support of historical science. Moscow, 2016: 500-514. (in Russian)
22. Kornienko S., Aydarov Y., Cherepanov F., Gagarina D., Yasnitskiy L. Manuscript and Early Printed Text Recognition Application. In: Association Newsletter History and Computer. 2011, 37: 62-65.
23. Kornienko S., Aidarov Y., Gagarina D., Cherepanov F., Yasnitsky L. Software Complex for Recognition of Handwritten and Early Printed Texts. In: Information Resources of Russia, 2011, 1: 35-37. (in Russian)
24. Gagarina D. Modeling in History: Approaches, Methods, Research. In: Perm University Herald. Series: Mathematics. Mechanics. Informatics. 2009, 7(33): 26-33.
25. Gagarina D. Newspaper "Perm Provincial Sheets" 1838-1844's.: Problems of Source-Study Research and Historical and Cultural Heritage Preservation. In: Documentation and Analysis of the Historical and Cultural Heritage by Historical Information Science Methods. Series of the Institute of History (University of Graz), vol. 18 / eds. by S. I. Kornienko and I. H. Kropač. Perm–Graz: Perm University. 2009: 90-99.

## Registered Intellectual Property

1. Studying digital humanities. Gagarina D., Ismakaeva I. Certificate of registration of the computer program 2020661343, 2020.
2. The platform for managing the portal "Museums of Perm University". Kornienko S., Romashova M., Gagarina D., Povroznik N., Tararukhina E., Shchukina K. Certificate of registration of the computer program 2018610539, 2018.
3. Ethnic military formations in the First World and Civil Wars. Podpryatov N., Suslov M., Gagarina D., Kornienko S., Poperechnaya A. Certificate of registration of the computer program 2018612403, 2018.
4. Software for systematization and cataloging of historically oriented information systems and publications about them. Kornienko S., Gagarina D., Povroznik N., Pyankov A., Yashchenko Yu. Certificate of registration of the computer program 2016613311, 2016.
5. Software for the organization, visualization and analysis of periodicals "The First World War in the Perm provincial periodicals". Kornienko S., Gagarina D., Mitina R., Sotnik A., Kharisova A., Yashchenko Yu., Yashchenko A. Certificate of registration of the computer program 2016613724, 2016.
6. Information system "Parliamentary history of late imperial Russia". Kiryanov I., Gagarina D., Kornienko S., Reshetnikov D. Certificate of registration of the computer program 2014614630, 2014.
7. Parliamentary history of late imperial Russia. Kiryanov I., Gagarina D., Kornienko S., Reshetnikov D. Certificate of registration of the database 2014620630, 2014.

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