

Liliia V. Zemnukhova

ORCID Id: 0000-0002-2938-3629

ResearcherId: R-6510-2016

Scopus Author Id: 57201497240

University profile: <https://eusp.org/en/people/zemnukhova-liliya-vladimirovna>

Research Interests

Science and Technology Studies, Feminist STS, Sociology of Technology, Sociotechnical Barriers, Ethics of Algorithms, Digitalization, Professional Communities in IT, Human-Computer Interaction

Education and Qualification

2009-2013 Candidate of Science (Kandidat Nauk, PhD), Social Structures Research Sociological Institute of the Russian Academy of Science (St. Petersburg). Title: "Shaping Professional Community of IT Workers: St. Petersburg Case" (2013)

2010-2011 MA in Sociology, University of Manchester, the UK / Moscow School of Social and Economic Sciences, Russia

2004-2009 Diploma in Sociology, Department of Sociology, St. Petersburg State University

Current Positions

Jul 2017 – Present Research Fellow, Center for Science and Technology Studies, European University at Saint Petersburg; Assistant Professor, Department of Sociology

Apr 2016 – Present Senior Research Fellow, Sector for Social Urban Studies, Sociological Institute of the Russian Academy of Sciences, St. Petersburg

Teaching

Research Seminar (years 2021/2022) for MA and PhD Students, the Department of Sociology, European University at St. Petersburg

Science, Technology, and Society (Spring 2020, Spring 2021), Science, Technology, and Public Policy (Fall 2020, Fall 2021, Spring 2022), the Department of Sociology, Master Program "Science and Technology in Society", European University at St. Petersburg joint with the ITMO University (co-teaching with Olga Bychkova)

STS Intro (Spring 2019), the Department of Sociology, Master Program, European University at St. Petersburg (co-teaching with Olga Bychkova)

Crash-course "Design and Methods of Social Research", Master Program "Science Communication", ITMO University (Fall 2018, Fall 2021)

2016–2017 Teaching Assistant, the Department of Sociology and Political Science, Master Program, European University at St. Petersburg

2014 Innovative Environment in Technological Society, Optional Course, ITMO University (Interdepartmental Course)

Methodology and Methods of Sociological Research, Contemporary Information Technology in Social Sciences (2011–2013), Senior Lecturer, the Department of Philosophy and Sociology, Undergraduate, the Russian Presidential Academy of National Economy and Public Administration, Moscow.

Key Research Projects

2020-2022 "Autonomous vehicles and society: the interaction of technology, socioeconomic scenarios

and regulation in radical innovation” (Russian Scientific Foundation, № 20-78-10106). Investigator 2017-2019 “Sociotechnical barriers of the implementation and use of information technologies in Russia: sociological analysis” (Russian Scientific Foundation, № 17-78-20164). Principal Investigator 2017-2019 “Methodological features of the digital methods use in interdisciplinary urban studies” (Russian Scientific Foundation for Humanities, № 17-33-01173 “a2”). Principal Investigator

Fellowships and Awards

Silver Medal for Contribution to the Development of Science, Russian Academy of Sciences (2017)
Fellowship, research project “Russian Computer Scientists at home and abroad” (2013-2015, STS Center, European University at Saint Petersburg)
Russian Science Support Foundation, Grant *The Best Post-Graduate Students of the Russian Academy of Sciences* (2010)

Selected Conferences and Workshops

When does the testing end? Testing on behalf of users (with M. Kiseleva). The 20th Annual STS Conference Graz „Critical Issues in Science, Technology and Society Studies“, Graz University of Technology (2-4 May 2022, Graz, Austria).

How to make autonomous vehicles publicly accepted? Discussion of the ethical issues. Public Transport as Public Space (PUTSPACE) Conference, Université Libre de Bruxelles (20-22 April 2022, Brussels, Belgium).

The Role of Civic Technologies in the Digitalization Process. All-Russian Scientific Conference "VDNH-XIV", European University in St. Petersburg (November 19-21, 2020, St. Petersburg)

Singapore or South Korea? New Destinations of Russian ITs to Conquer the World (with M. Feakins) ASEES Annual Convention (23-26 November 2019, San-Francisco, USA).

Digitalization and Its Sociotechnical Barriers: The Case of the Russian Digital Economy. 19th Annual Aleksanteri Conference “Technology, Culture, and Society in the Eurasian Space”, University of Helsinki (23-25 October 2019, Helsinki, Finland).

Heterogeneous and multiple technologies: the case of Russian digitalization. 46th Symposium “Technology and Power”, International Committee for the History of Technology (22-17 July 2019, Katowice, Poland).

Imaginations of AI in Russian public discourse. LCFI Workshop, University of Cambridge and Teplitsa of Social Technologies, Global AI Narratives (12-13 September 2019, St. Petersburg, Russia).

Work and robots: myths and reality (Plenary presentation). XI Annual Professional Conference of the Association of Consulting Companies (ASCONCO) "Alice vs. Vasya: Human Capital Management in a Changing World" (September 13, 2019, St. Petersburg).

Testers as Professionals and Users (with Alice Samoylova). International Scientific and Practical Conference Russian User Studies, Sociological Institute of the Russian Academy of Sciences - branch of FCTAS RAS (November 30 - December 1, 2018, St. Petersburg).

New Inequalities in the Digital Economy. 18th Annual Aleksanteri Conference “Liberation - Freedom - Democracy? 1918–1968–2018”, University of Helsinki (24-26 October 2018, Helsinki, Finland).

Sociotechnical Discrepancies in the Russian Digital Economy. 4S Annual Conference (Society for Social Studies of Science) “TRANSnational STS”, Sydney International Convention Centre (29 August – 1 September 2018, Sydney, Australia).

Digital Technologies and Sociotechnical Barriers: Some Lessons from the Soviet Experience. 45th Symposium of the International Committee for the History of Technology (ICOHTEC) “Technological drive from past to future? 50 years of ICOHTEC”, Jean Monnet Saint-Etienne University (17-21 July

2018, Saint-Etienne, France).

Selected Publications

Rudenko N., Antoshchuk I., Maliushkin R., Zemnukhova L. Gender Equality Paradise Revisited: The Dynamics of Gender Disbalance in Russian Engineering from the Late Soviet Time to the 2010s, *Engineering Studies*. 2022.

Zemnukhova L.V. How Ethical Issues are Dealt with in the Russian Public Discourse on Autonomous Vehicles. *Ethnographic Review*, 2022, 1: 68–83. [Russian]

Zemnukhova L. How is a female-researcher's position constructed in a (non)friendly field. *New Time, new field: the changing world of qualitative research and new technologies* (eds O. I. Zvonareva, A. Y. Kontareva, E. V. Popova) - St. Petersburg: Aleteya, 2021. pp. 370-401. [Russian]

Zemnukhova L. Civil society and Monitoring of Social Effect of Technology. *Horizon Scanning: the Role of Information Technology in the Future of Civil Society*. (Asmolov G., Ed.). Cogito-Centre, Moscow. 2021. Pp - 92-111.

Adventures of technologies: Barriers of digitalization in Russia: [collective monograph]. Ed by L. V. Zemnukhova - M. - St. Petersburg : FNISTC RAS, 2020 - 282 p. [Russian]

Zemnukhova L. How digital technologies are transforming social sciences. *Ethnographic Review*, 2020(1) No. 1:23-33. [Russian]

Zemnukhova L., Kontareva A., Masalskaya A. Local time of the global it: The time perception of Russian software developers at home and abroad. *Ethnographic Review*, 2019(3), pp. 62–79. [Russian]

Zemnukhova, L.V., Rudenko, N.I., Sivkov, D.Y. Digital urban studies: Collaboration problems with patterns of coordination. *Russian Sociological Review*, 2019, 18(4), pp. 107–129. [Russian]

Zemnukhova, L. When Okay, Google fails: How to search for counseling in the world of humans and technologies. *Laboratorium: Russian Review of Social Research*, 2019, 11(1), pp. 166–176. [Russian]

Zemnukhova, L. Social studies of technology: Evolution and interaction of approaches. *Economic Sociology*, 2018, 19(5), pp. 113–129. [Russian]

Zemnukhova, L., Feakins, M. 'I'm not a gastarbeiter anymore': liminal mobility of young Kazakh IT professionals in Russia, *Discourse*, 2018, 39(5), pp. 752–766.

Zemnukhova L. Russian IT specialists and their professional mobility abroad. *INTER*, 2017, 1(14): 5-15.

Zemnukhova L., Sivkov D. Work (in)place: localization of technoscience in IT industry offices. *Ethnographic Review*, No. 6, 2017: 44-58. [Russian]

Zemnukhova L. Highly skilled Russian migrants in London: the case of IT professionals. *Urban Research and Practice*, 2017, 2(1): 54-63.

Zemnukhova L. IT Professionals in the Global Market: Migration Strategies and Language Use (the case of Russians in London). *Sociology of Science and Technology*, Vol. 6, No. 4, 2015. C. 154-163. [Russian]

Zemnukhova L. Professional community of information technology workers: a network aspect. *Sociological Studies*, No. 1, 2014. C. 145-150. [Russian]

Zemnukhova L. Information technologies as a professional environment. *Sociological Journal*, No.4, 2013. C. 49-58. [Russian]

Zemnukhova L. IT-worker in the labor market. *Sociology of Science and Technology*, Vol. 4, No. 2, 2013. C. 77-90. [Russian]

Zemnukhova L. Human-Computer Interaction through the Prism of Formal Sociology. *Sociology of Power*. 2013. № 1-2. C. 111-121. [Russian]

Zemnukhova L. Human-Computer Interaction through Sociological Lens. *International Journal for Social Science and Humanity*, 2013, Vol.3 (3): 232-236.

Zemnukhova L. Discussion in Science and Technology Studies (STS) on the Status of Sociological

Explanation. Sociological Journal, No. 1, 2012. C. 17-27. [Russian]

Recent Public Lectures and Podcasts (*in Russian*)

"Ethics of Autonomous Vehicles" (with N. Rudenko), Ural Biennale, Salyut Cinema (October 31, 2021, Yekaterinburg)

"About Brave New Worlds: Infrastructures, People, Relationships", Garage Museum of Modern Art (October 24, 2020, Moscow)

"How Technologies Reflect Our Beliefs and Dreams", Science Fest (August 18, 2020, St. Petersburg)

"Digital Life after Biological Death", Interdisciplinary Halloween: Sollemnitas Omnium Scientiarum, Rzhenskaya Library (November 2, 2019, St. Petersburg)

"Collisions of worlds: how engineers see their projects", Geek Picnic (July 6, 2019, St. Petersburg)

"Technophobia as a barrier to digitalization", DH Lab, Word order (June 20, 2019, St. Petersburg)

"Technological Present", Yadro company (April 25, 2019, St. Petersburg)

Podcasts

The Right to Forget, or Our Digital Future. Komsomolskaya Pravda Radio podcast "Data Transfer," December 12, 2021 (<https://radiokp.ru/podcast/peredacha-dannykh/522758>)

The Social Effects of Technology, CritMouse, October 19, 2021 (<https://critmouse.ru/sociotech/>)

How does technology affect our lives? Made from scratch podcast, September 21, 2021 (https://www.youtube.com/watch?v=yQ_QORF04qQ)

Is immortality real? The Genome, Aging, and Digital Doppelgangers, Science Bar Hopping, The Paper, July 29, 2021 (<https://paperpaper.ru/photos/v-etom-podkaste-uchenye-ustravayut-moz/>)

Under the Coverage. How we're being watched. Radio Liberty podcast "A Man Has a Right," January 19, 2021 (<https://www.svoboda.org/a/31052553.html>)

"Copy, paste" vc.ru podcast "Black Box", 14.10.2020

(<https://vc.ru/team/165900-vtoroy-epizod-podkasta-vc-ru-chernyy-yashchik>)

How cars change and why a man needs a smartphone on wheels. Man, where are you going?, 31.10.2020 (<https://t.me/crisisman/2155>)

Will technology save the world? CritMouse, 10.09.2019 (<https://critmouse.ru/technology/>)

Will "black mirror" become a reality? Science Bar Hopping, The Paper, 08/28/2009

(<https://paperpaper.ru/photos/chernoe-zerkalo-stanet-realnostyu/>)

Recent Media Articles

Russian:

Ethics of algorithms: why it concerns everyone. How to read media, February 28, 2022 (<https://howtoreadmedia.ru/lenta/teksty/etika-algoritmov-pochemu-eto-kasaetsya-kazhdogo/>)

How to make an autonomous car ethical? Homo Science Project, December 07, 2021 (<https://homo-science.ru/post/687>)

What prevents self-driving cars from driving on ordinary roads? Homo Science Project, October 28, 2021 (<https://homo-science.ru/post/164>)

Digital Dating: Barriers and Users, Homo Science Project, September 23, 2021 (<https://homo-science.ru/post/88>)

How Platforms Complicate Work: A Review of the Digital Workers Conference? Teplitsa of Social Technologies, April 26, 2021 (<https://te-st.ru/2021/04/26/digital-workers-conference/>)

English: The Kremlin is pushing for a "sovereign internet". But at what cost? OpenDemocracy, 30 July 2019. <https://www.opendemocracy.net/en/odr/whats-wrong-with-internet-isolation-russia-en/>

Memberships of Professional Organizations

Feb 2015 – Present: St.Petersburg Association for Sociologists, Management Board (2017-2021 - the President)

Sep 2015 – Present: International Committee for the History of Technology, Maurice Daumas Prize (Committee Member)

Public Expertise

Global IT Dialogue Forum. (November 19, 2021), expert session "Ethics of Technology".

Gaidar Forum (January 15-16, 2020, Moscow), discussion "Ethical Problems in the Application of Digital Technologies: How to Seek a Solution?", expert.

Analytical report "Ethics and Digital: Ethical Problems of Digital Technologies", Center for Digital Transformation Leadership Training, Russian Academy of National Economy and Public Administration, 2020.

Languages

Russian – native

English – advanced

German – elementary