

# Ilya Musabirov

✉ [ilya@musabirov.info](mailto:ilya@musabirov.info) <http://www.hse.ru/en/staff/ilya.musabirov>

## Education

- 2016-2019      **PhD Candidate in Sociology, Doctoral School of Sociology, National Research University, Higher School of Economics, Russia**  
Area: Computational Social Science, New Educational Technologies, Blended Learning  
Supervisor: Prof. Daniel Alexandrov
- 2014-2015      **Master of Arts in Social Sciences, major: Media and Communication studies, programme: Digital Media and Information Society Uppsala University (Sweden)**
  - Courses in Digital Media and Information Society, Internet, Social Media and Society, Quantitative Methods I, II, Information Retrieval (advanced)
  - Thesis: *Deconstructing Fame: An Analysis of eSports Brand Value. The Case of Dota 2*
- 2012-2014      **Master of Science in Computer Science (Informatics) and Computing Machinery (with distinction) ITMO University, St. Petersburg (Russia)**
  - Thesis: *Analyzing Software Ecosystem Evolution. The case of R project data* (Methods: Social Network Analysis, Software Repositories Mining, Statistics), with distinction
- 2010-2012      **Graduate Certificate in Data Mining and Applications Stanford University, Department of Statistics (via Stanford Center for Professional Development)**
  - Courses: STATS202 Data Mining and Applications, STATS290 Paradigms for Computing with Data, STATS315B Modern Applied Statistics: Data Mining
- 2001-2006      **Computational Economist (Specialist Degree): Applied Informatics in Economics Kemerovo State University, Kemerovo (Russia)**
- Work experience**
- 2017-present      **Deputy Head of BA Programme in Sociology and Social Informatics National Research University Higher School of Economics, St. Petersburg (Russia)**  
  
In the BA programme "Sociology and Social Informatics" I am responsible for coordination of course content development and analysis of best educational practices in the area of Social Informatics, coordination of student project work in Digital Research.
- 2013-present      **Senior Lecturer, PhD Candidate and Jr. Research Fellow National Research University Higher School of Economics, St. Petersburg (Russia)**  
  
My current teaching and research focus now is on the development and evaluation of simulation and games design as a tool for studying individual decision making and developing agent-based modelling skills.  
  
Areas of my research interests include migration and ethnics studies based on social media data, social dynamic of learning and social learning analytics, reputation systems and sensemaking on the Web, social game studies, computer science education for non-STEM majors  
  
My work was presented on some major international conferences in these areas, including ACM CHI 2017, ACM CHI Play 2015, SocInfo 2014, IC2S2 2015, ACM Web Science 2016.  
  
I co-developed minor programme in Data Science with a strong accent on interdisciplinarity and digital research. For BA in Sociology and Social Informatics I've developed and teach courses in Information Systems, Digital Transitions in Business and Society, Web Science, Introductory Programming for Social Scientists
- 2009-2012      **Data Analyst, PlusMobile LLC, St.Petersburg (Russia)**  
Designed and managed development of Payments processing, Split-testing framework, Reporting, dashboards Data Mining, Customer analytics, descriptive and predictive models in R, Python scripting, analytical databases (column storages). Cohort analysis, churn analysis, CLV/LTV
- 2006-2009      **Engineer/Data Analyst RIKT JSC/InfoSeti LLC, Mezhdurechensk (Russia)**
  - New IT services analysis and development
  - User behaviour data analysis
  - Data mining of telecom data (part-time since 2007)

## Summer Schools

- Doctoral Consortium on Computational Thinking in the framework of 17<sup>th</sup> International Koli Calling Conference on Computer Science Education Research Koli, Finland
- Learning Analytics Summer Institute – Nordic (LASI-Nordic 2017) Bergen, Norway
- Russian Summer School in Information Retrieval (RuSSIR 2016)
- International Summer School in Social Network Analysis, track Networks in Academia, Science and Technology, Higher School of Economics, St.Petersburg, 2014

## Conferences (selected)

- ACM CHI Conference on Human Factors in Computing Systems 2017
- 8th ACM Conference on Web Science (WebSci 16, Hannover) Long talk: Private and Public Online Groups in Apartment Buildings of St. Petersburg, co-author of short talk and poster (see publ.)
- International Conference on computational Social Science (ICCSS 2015, Helsinki) Presentation: Online Communication in Apartment Buildings
- GESIS Computational Social Science Winter Symposium 2014, 2015, 2016 (Cologne). Presentation: Educational Migration, Online Communication in Apartment Buildings
- 6th International Conference on Social Informatics (SocInfo 2014)  
Presentation: Informal In-Game Help Practices in Massive Multiplayer Online Games (EGG2014)  
Presentation: Online Communication in Apartment Buildings (CityLabs2014)
- Networks in the Global World (NetGloW 2016, St.Petersburg), <http://ngw.spbu.ru/>

## Grants

- 2018 Higher School of Economics grant for individual project on Economic Sociology of Cybersports and Virtual Goods in Online Games (PI)
- 2018 ACM KDD Impact Grant for the project Women Data Leaders in Russia (project group member, PIs: Dr V. Ivaniushina, Dr A Suvorova, A Bakhitova)
- 2017 Higher School of Economics grant for Machine Learning and Social Computing research and study group (co-author, PI: Dr A. Sirotkin)
- 2017 Russian Fund for Humanities (Russian Fund for Basic Research) grant for Structural Models of Educational Dynamics in Blended Learning Setting (researcher, PI: Dr V. Ivaniushina)

## Publications

- Musabirov I., Bulygin D., Paul Okopny, Sirotkin A. Deconstructing Cosmetic Virtual Goods Experiences in Dota 2, in: CHI '17: Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems. NY : ACM, 2017. P. 2054-2058.
- Kuznetsova, Anastasiya, Stanislav Pozdniakov, and Ilya Musabirov. 2017. "Analyzing Web Presence of Russian Universities in a Scientometric Context." In Digital Transformation and Global Society, 113-19. Communications in Computer and Information Science. Springer, Cham. [https://doi.org/10.1007/978-3-319-69784-0\\_9](https://doi.org/10.1007/978-3-319-69784-0_9).
- Daniel Alexandrov, Viktor Karepin, Ilya Musabirov. Educational Migration from Russia to China: Social Network Data, in: WebSci '16: Proceedings of the 8th ACM Conference on Web Science. NY : ACM, 2016. P. 309-311.
- Musabirov I., Paul Okopny, Stanislav Pozdniakov. Enabling Information Access in Virtual Learning Environment: The Case of Data Science Minor, in: NordiCHI '16: Proceedings of the 9th Nordic Conference on Human-Computer Interaction. ACM, 2016. P. 119:1-119:6.
- Vadim Voskresenskiy, Ilya Musabirov, Daniel Alexandrov. Private and Public Online Groups in Apartment Buildings of St. Petersburg, in: WebSci '16: Proceedings of the 8th ACM Conference on Web Science. NY : ACM, 2016. P. 301-306.
- Daniel Alexandrov, Alexey Gorgadze, Ilya Musabirov. Virtual Caucasus on VK Social Networking Site, in: WebSci '16: Proceedings of the 8th ACM Conference on Web Science. NY : ACM, 2016. P. 215-217.
- Musabirov I., Paul Okopny, Bulygin D. Analyzing Chat Logs in Online Games for Tutorial Improvement, in: Proceedings of the ACM SIGCHI annual symposium on Computer-human interaction in play. NY : ACM, 2015. P. 661-666.
- Vadim Voskresenskiy, Kirill Sukharev, Ilya Musabirov, Daniel Alexandrov. Online Communication in Apartment Buildings, in: Lecture Notes in Computer Science Vol. 8852: SocInfo 2014 International Workshops, Barcelona, Spain, November 11, 2014, Revised Selected Papers. NY : Springer International Publishing, 2015. P. 52-55.