

Adina Nerghes

Digital Humanities Lab
KNAW Humanities Cluster
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Current Position

Postdoctoral Researcher at the Humanities Cluster of the Royal Netherlands Academy of Arts and Sciences (KNAW)

Research and Teaching Areas

Communication Science (Media Studies, Strategic Communication, Organizational Discourse, Metaphors and Discursive Frames, Persuasive Communication, Discourse Analysis), Text Analysis, Data Mining/Analysis/Visualization, Social & Semantic Network Analysis.

Education

2011 - 2016	Ph.D. in Social Sciences Vrije Universiteit Amsterdam, The Netherlands
Dissertation:	<i>Words in Crisis: A Relational Perspective of Emergent Meanings and Roles in Text</i>
Promoters:	Prof. Dr. Peter Groenewegen, Dr. Iina Hellsten, Dr. Yvette Taminiau
2008 – 2011	M.Sc. in International Development Studies Wageningen University, The Netherlands
Specialization:	Communication, Technology, Policy
Advisors:	Prof. Dr. Noelle Aarts and Dr. Anne Marike Lokhorst
Thesis:	<i>The Impact of Code-Switching on Persuasion: An Elaboration Likelihood Perspective</i>
2005 – 2008	B.Sc. in Political Science “Dimitrie Cantemir” University, Bucharest, Romania
Thesis:	<i>The Role of Charismatic Leaders: A Case Study of Ali Khamenei</i>

Peer-Reviewed Publications

- 2020 Deichmann, D., Moser, C., Birkholz, J., **Nerghes, A.**, Groenewegen, P., and Wang, S. (2020). *Ideas with Impact: How Connectivity Shapes Idea Diffusion*. *Research Policy*, 49(1)
- 2019 **Nerghes, A.** and Lee, J.-S. (2019). *Narratives of the Refugee Crisis: A comparative study of mainstream-media and Twitter*. *Media and Communication*, 7(2)
- 2018 Lee, J.-S. and **Nerghes, A.** (2018). *Refugee or Migrant Crisis? Labels, perceived agency, and sentiment polarity in online discussions*. *Social Media + Society*.
- 2018 **Nerghes, A.** and Lee, J.-S. (2018a). *The Refugee/Migrant Crisis Dichotomy on Twitter: A network and sentiment perspective*. In *Proceedings of the 10th ACM Conference on Web Science*, pages 271–280, Amsterdam, The Netherlands
- 2018 **Nerghes, A.**, Kerkof, P., and Hellsten, I. (2018). *Early Public Responses to the Zika-Virus on YouTube: Prevalence of and differences between conspiracy theory and informational videos*. In *Proceedings of the 10th ACM Conference on Web Science*, pages 127–134, Amsterdam, The Netherlands
- 2017 Lee, J.-S. and **Nerghes, A.** (2017). *Labels and Sentiment in Social Media: On the role of perceived agency in online discussion of the refugee crisis*. In *Proceedings of the 8th International Conference on Social Media & Society*, page Article No. 14, Toronto, ON, Canada. ACM

- 2017 Leydesdorff, L. and **Nerghes, A.** (2017). [Co-word Maps and Topic Modeling: A comparison using small and medium-sized corpora \(n < 1000\)](#). *Journal of the Association for Information Science and Technology*, 68(4):1024–1035
- 2015 **Nerghes, A.**, Lee, J.-S., Groenewegen, P., and Hellsten, I. [Mapping Discursive Dynamics of the Financial Crisis: A structural perspective of concept roles in semantic networks](#). *Computational Social Networks*, 2(16):1–29
- 2015 **Nerghes, A.**, Hellsten, I., and Groenewegen, P. [A Toxic Crisis: Metaphorizing the financial crisis](#). *International Journal of Communication*, 9:106–132
- 2014 **Nerghes, A.**, Lee, J.-S., Groenewegen, P., and Hellsten, I. [The Shifting Discourse of the European Central Bank: Exploring structural space in semantic networks](#). In Yetongnon, K. and Dipanda, A., editors, *Proceedings of the Tenth International Conference on Signal Image Technology & Internet Based Systems*, pages 447–455, Marrakesh, Morocco. IEEE Computer Society
- 2011 **Nerghes, A.**, Lokhorst, A. M., and Aarts, N. [Het Effect van Code-Switching: Een verklaring op basis van het elaboration likelihood model](#). In van de Ven, N., Baas, M., van Dillen, L., Lakens, D., Lokhorst, A. M., and Strick, M., editors, *Jaarboek Sociale Psychologie*, pages 153–156, Groningen. ASPO Pres

Works in Progress

- Lee, J.-S. and **Nerghes, A.** (manuscript in preparation). Shifts in perspectives and positions on Twitter: A socio-semantic study of the European refugee crisis. *International Journal of Communication*.
- Pozzo, M. and **Nerghes, A.** (under review). Dutch without the Dutch: Discourse, policies and programs impacts on the social integration and language acquisition of young refugees (ages 12-23). *Social Identities*.
- Nerghes, A.** and Fronzetti-Colladon, A. Semantic Brand Scoring and the European refugee crisis in social media.
- Nerghes, A.** and Stevens, S. Flu vaccination, information sources, and behaviours: A case study of Cornwall.
- Dekker, D., Lee, J.-S., and **Nerghes, A.** A network text analyses approach to form formation.
- Nerghes, A.**, van Lottum, J., Petram, L., van Erp, M., Koolen, M., and Wevers, M. VOCation: Tracing Maritime Careers in the Dutch East India Company, c. 1680-1800.
- Nerghes, A.**, Wevers, M., and Karsdorp, F. The Eurovision Song Contest: An investigation.
- Nerghes, A.**, Groenewegen, P. and Hellsten, I. [Europe Talks: An analysis of discursive practices, position taking, and the left-right ideological spectrum](#).

Invited Talks

- 2020 **Nerghes, A.** [Social Network Analysis](#). *Invited speaker at the Nodegoat workshop, Huygens Institute, Amsterdam*.
- 2019 **Nerghes, A.** [Socio-Semantic Networks and the Structural Space](#). *Invited speaker at CREATE Salon, University of Amsterdam*.
- 2019 **Nerghes, A.** [Semantic Networks and Topic Models: A comparison](#). *Invited speaker at the International Workshop on Text Mining for Science and Technology Studies, Humboldt-Universitat zu Berlin, Germany*.
- 2016 **Nerghes, A.** [Refugee, migrant, or asylum seeker crisis? An analysis of debates in the European Union](#). *Invited speaker at Networks in the Global World Conference, St. Petersburg, Russia*.

- 2016 **Nerghes, A.** [Europe Talks: A study on position taking, the left-right ideological spectrum, and discursive practices in the European Parliament](#). *Invited speaker at Social and Semantic Network Analysis of the European Public Sphere at St. Petersburg State University.*

Conference Presentations

- 2019 **Nerghes, A.** News Media and Twitter: The construction of narratives in the refugee crisis. *Presented at the International Sunbelt Social Networks Conference, Montreal, Canada.*
- 2018 **Nerghes, A.** and Lee, J.-S. (2018b). Structure and content on twitter: The case of the european refugee crisis. In *XXXVIII Sunbelt Conference*, Utrecht, The Netherlands
- 2017 Lee, J.-S. and **Nerghes, A.** The refugee crisis: Labels, sentiments, and perceived agency in social media. *13th Conference of the European Sociological Association.*
- 2016 **Nerghes, A.** and Hellsten, I. [Framing and Blaming: Socio-Semantics of the Eurocrisis](#). *Presented at the International Sunbelt Social Networks Conference in Newport Beach, CA. (April).*
- 2015 **Nerghes, A.** The 7th European Parliament and the Eurozone Financial Crisis: Cooperation or competition? *Presented at the Network Theory and Methods Workshop, Amsterdam. The Netherlands.*
- 2015 **Nerghes, A.** and Hellsten, I. Socio-Semantic Networks: Prognostic and diagnostic frames of the Eurocrisis. *Presented at the International Sunbelt Social Networks Conference, Brighton, UK.*
- 2015 **Nerghes, A.**, Groenewegen, P., and Hellsten, I. Europe Talks: An analysis of discursive practices, their structural functions and the left-right political ideology spectrum in the European Parliament. *Presented at the International Sunbelt Social Networks Conference, Brighton, UK.*
- 2014 **Nerghes, A.**, Groenewegen, P., and Hellsten, I. [Shifting Discourses of the European Central Bank and the Federal Reserve System: Exploring structural space in semantic networks](#). *Presented at the 1st European Conference on Social Networks, Barcelona, Spain.*
- 2014 **Nerghes, A.** and Groenewegen, P. Market Player or Regulator? A Semantic Network Analysis of the Shifting Roles of the ECB During the Financial Crisis. *Presented at the International Sunbelt Social Networks Conference, St. Pete Beach, FL, USA.*
- 2013 **Nerghes, A.** EU Regulators: A Structure and Content Analysis. *Presented at the International Sunbelt Social Networks Conference, Hamburg, Germany.*
- 2012 **Nerghes, A.** and Hellsten, I. A “toxic” crisis: Metaphorizing the financial crisis. *Presented at the Organizational Discourse: Processes, Practices and Performance Conference, Amsterdam, The Netherlands.*
- 2011 **Nerghes, A.**, Lokhorst, A. M., and Aarts, N. The Impact of Code-Switching on Information Processing: An elaboration likelihood perspective. *Presented at ASPO, Tilburg, The Netherlands.*

Research & Professional Experience

- 2017 - present **Postdoctoral researcher** in the Digital Humanities Lab, at the KNAW Humanities Cluster, Amsterdam
- 2017 **Lecturer** in the Knowledge, Information & Network Department, Faculty of Economics and Business Administration, Universiteit Amsterdam The Netherlands
- 2016 **Lecturer & Course coordinator** at the Organization Sciences department, Vrije Universiteit Amsterdam, The Netherlands
- 2016 **Postdoctoral researcher** at the Communication Science department, Vrije Universiteit Amsterdam, The Netherlands. Project: “Zika Virus Alert: The dynamics of discussing health care in social media”

- 2011 - 2016 **PhD candidate** at the Organization Sciences department, Vrije Universiteit Amsterdam, The Netherlands. Project: “Words in Crisis: A relational perspective of emergent meanings and roles in text”
- 2010 **Research Internship** at the Strategic Communication Group, Wageningen University, The Netherlands. Project: “Disentangling the Domestic Contract – Interdisciplinary and multi-level approach to human-farm animal relations, with case studies in Dutch and Turkish contexts”
- 2005 – 2008 **Quality Manager Medical Field** at AI. Lab. Clinic, Romania
- 2002 – 2004 **Owner and Manager** at PFA Rotaru Adina, Romania
- 2000 – 2001 **Assistant Manager & Advertising Designer** at Quartet Metalite SRL, Bucharest, Romania.

Teaching & Workshop Instruction:

- 2017 **Lecturer** Qualitative Research Methods (undergraduate), Faculty of Economics and Business Administration, Universiteit Amsterdam The Netherlands.
- 2017 **Lecturer** Digital Innovation and Virtual Organizing in a Global Setting (undergraduate), Faculty of Economics and Business Administration, Universiteit Amsterdam The Netherlands.
- 2016 **Workshop Instructor** Semantic Network Analysis with Automap at Networks in the Global World conference, St. Petersburg, Russia.
- 2016 **Coordinator & Lecturer** Networked Organizations and Communication (graduate course), Faculty of Social Sciences, Vrije Universiteit Amsterdam.
- 2013 – 2015 **Lecturer** Networked Organizations and Communication (graduate course), Faculty of Social Sciences, Vrije Universiteit Amsterdam. Course coordinators: dr. Iina Hellsten and prof. dr. Peter Groenewegen.
- 2013 – 2015 **Workshop Instructor** Text processing, text mining, and semantic network generation with Automap at Vrije Universiteit Amsterdam.
- 2013 – 2015 **Workshop Instructor** Social and semantic network analysis with ORA at Vrije Universiteit Amsterdam.
- 2015 **Workshop Instructor** of Introduction to Social and Semantic Network Analysis and Methods for the Anthropology Department at Vrije Universiteit Amsterdam, The Netherlands.
- 2012 – 2016 **Master’s Thesis Advisor:** Faculty of Social Sciences, Vrije Universiteit Amsterdam, The Netherlands.
- 2015 – 2017 **Master’s Thesis Assessor:** Faculty of Economics and Business Administration, Vrije Universiteit Amsterdam, The Netherlands.
- 2013 **Teaching assistant** Transnational Organizations in a Global World (graduate course), Faculty of Social Sciences, Vrije Universiteit Amsterdam. Course coordinator: dr. Amanda J. Porter.
- 2010 – 2011 **Teaching assistant** Management of Change: Inter-Human Processes and Communication (MSc thesis preparatory course) at Wageningen University, The Netherlands. Course coordinator: prof. dr. MNC (Noelle) Aarts.

Professional Service & Affiliations

- Co-organizer EMHR: Empirical Methods in Humanities Research Workshop, Amsterdam

Steering Group	DHLab Affiliate Membership Network, KNAW Humanities Cluster Amsterdam
Co-organizer	Advances in Socio-Semantic Network Analysis at the INSNA International Sunbelt Social Networks Conference 2016 – present
Co-organizer	3rd Amsterdam Workshop on Social Networks and Organizations: Theoretical Advances in Network Research, Amsterdam, 20-22 June, 2013
Researcher	EDGE Research Group – Social Network Research Group at the Vrije Universiteit Amsterdam, The Netherlands
Researcher	The Network Institute – interdisciplinary research institute, Vrije Universiteit Amsterdam, The Netherlands
Reviewer	International Conference on Social Media and Society, International Communication Association, Journal of Complex Networks, the 48th Hawaii International Conference on System Sciences (HICSS) 2014, International Journal of Communication (IJoC), DH2019, DH2020, DHBenelux 2018, 2019, Poetics
Member	International Network for Social Network Analysis (INSNA), International Communication Association (ICA), Academy of Management (AOM), Institute of Electrical and Electronics Engineers (IEEE), Association for Computing Machinery (ACM), VU-panel, Vrije Universiteit Amsterdam.

Funding & Grant Applications

Applicant for NWO-IDG 2019 on “That’s a good idea! Explaining why new ideas succeed or fail through a comprehensive socio-semantic framework”;

Applicant for NWO-Veni 2018 on “In search of lost ideas: Explaining why new ideas succeed or fail through a comprehensive socio-semantic framework”;

Co-applicant “External Evaluation of the The Activate! Network” in collaboration with IBF International Consulting;

Co-applicant for the Horizon 2020 proposal on Policy & Big Data under the “Develop scalable and transferable methods and re-usable tools for compilation, analysis and visualization of data, including relevant open, official or certified data” track;

Co-applicant for the Volkswagen Stiftung International Research in Computational Social Sciences grant with the proposal titled “Cashing in on Open Government Data”. In collaboration with Muhammad Saleem (University of Leipzig, Germany) and Julie M. Birkholz (Ghent University, Belgium);

€1125 Granted in October 2014 by VU GSSS Graduate Fund for costs of SITIS conference presentation and article publication;

€1800 Granted in April 2014 by VU GSSS Graduate Fund for attendance at ACM Web Science 2014 Conference;

€1912 Granted in April 2013 by VU GSSS Graduate Fund for participation in LINKS Center 2013 Summer Workshop on Social Network Analysis.

Awards

2017 Best methods paper award at the International conference on Social Media & Society, Toronto, Canada ([see paper here](#));

2015 The *Wilhelmina Drucker Female PhD-Talent Award* issued by the FSW-VU. This award translated into 3-months of fully funded research.

Training

From Words to Networks with ConText: Text Mining for Creating Network Data from Text Data, at Sunbelt, St. Pete Beach, FL, USA; Advanced Social Network Analysis at LINKS, Kentucky, USA; Advanced Social Network Analysis using UCINET and Netdraw, at Sunbelt, Hamburg, Germany; Analysis of Large Networks with Pajek, at Sunbelt, Hamburg, Germany; R, SPARQL, Rstudio and Gephi at Meertens Institute, Amsterdam, The Netherlands; Python, R and Gephi at Nijmegen Spring School, Radboud University, Nijmegen, The Netherlands; CASOS Summer Institute, Pittsburgh, PA, USA; Social Network Analysis Workshop, Amsterdam, The Netherlands

Technical Skills

Statistical tools: R, SPSS; *Social networks software:* UCINET, ORA (Organizational Risk Analyzer), Pajek, Gephi, VOSviewer, ConText; *Semantic networks software/languages:* AutoMap, AWK; *Programming languages:* Python; *Miscellaneous:* L^AT_EX, SPARQL, Microsoft Office, Bash shell;