

Curriculum vitæ

Vladislav Maraev

Personal information

Date of birth 19.12.1986
Citizenship Russia
Phone number +46725665401
E-mail vladislav.maraev@gu.se
Address Box 200, Göteborg, 40530 Sweden

Education

Higher education

09.2017–Present **PhD in Computational Linguistics**
Centre for Linguistic Theory and Studies in Probability
(CLASP), University of Gothenburg, Sweden
working title: Laughter-Infused Dialogue Systems
supervisor: Christine Howes, co-supervisors: Staffan Larsson
and Jonathan Ginzburg

2014–2017 **MA in Cognitive Science** 19/20 (thesis)
University of Lisbon, Portugal 17/20 (total)
*Modelling Semantic Relations with Distributional Semantics and
Deep Learning: Question Answering, Entailment Recognition,
and Paraphrase Detection*
supervisor: António Branco, co-supervisor: Carlos Lourenço

2004–2009 **Diploma in Computer Networks** 5/5 (thesis)
State University of Telecommunications, St. Petersburg, Russia 4.2/5 (curric.)
*Analysis of Carrier-Grade Ethernet Quality of Service Param-
eters*
supervisor: Gennady Yanovsky, co-supervisor: Martin Klimo
(University of Zilina, Slovakia)

Summer schools

- August 2019 **ESLLI-2019**, Riga, Latvia
- August 2018 **ESLLI-2018**, Sofia, Bulgaria
- July 2018 **International Summer School and Symposium on Humour and Laughter**, Telford, UK
- August 2017 **ESLLI-2017**, Toulouse, France
- August 2016 **ESLLI-2016**, Bolzano, Italy
- July 2016 **Lisbon Machine Learning School (LXMLS-2016)**, IST, Lisbon, Portugal
- August 2015 **Summer neurolinguistic school**, Higher School of Economics, Moscow, Russia
- June 2015 **New York-St. Petersburg Institute of Linguistics, Cognition and Culture** St. Petersburg, Russia (received travel grant)

Exchange programs

- Spring 2009 **University of Zilina** (Slovakia)
Student exchange for writing the thesis (EU TEMPUS Program)

Courses and certificates

- Tieto IBM Tivoli Network Manager 3.8 Workshop
- IBM Tivoli Netcool/OMNIBus 7.2 operation & maintenance
- University of Zilina CCNA Exploration: Network Fundamentals
- CCNA Exploration: Routing Protocols and Concepts
- Coursera Natural Language Processing (by Stanford University)

Employment

- 09.2017–Present **PhD Student**
Centre for Linguistic Theory and Studies in Probability (CLASP), University of Gothenburg, Sweden
- 05.2016–08.2017 **Visiting researcher**
Laboratoire de Linguistique Formelle (LLF), University Paris 7 Diderot
- 09.2016–05.2017 **Research assistant**
NLX-Group (Faculty of Sciences, University of Lisbon, Portugal)
Scholarship under the QTLeap and ASSET projects
Question answering, paraphrase detection, (deep) machine learning, distributional semantics
- 2012–2016 **Project manager / System analyst / Developer**
LLC Speech Technology Center (St. Petersburg, Russia)
Research and development of speech interfaces:
– System analytics and development of framework for creating multi-channel conversational agents
– Design and project management of self-service voice applications for major Russian telco
– Development and integration of self-service systems for banks, telco, government, etc.
– Design and development of voice biometrics applications
- 2011–2012 **Engineer / Developer**
Tieto Oyj (St. Petersburg, Russia)
Design and development of self-service voice applications
- 2009–2011 **System Analyst**
LLC RTC Argus (St. Petersburg, Russia)
System analytics for OSS/BSS solutions
- 2007–2009 **Engineer / Developer**
CJSC PeterStar (St. Petersburg, Russia)
Integration and development of: MVaaS, IVR, Video conference as a service platform

Teaching

- 2017–Present **University of Gothenburg, Sweden**
– Natural Language Processing (Lab instructor)
– Machine Learning (Lab instructor)
– Dialogue Systems (Lecturer, Lab instructor)
- 2011–2012 **State University of Telecommunications, St. Petersburg, Russia**
– “Information Systems for Research” (Lecturer)
– “Standardization Issues in ICT” (Lab instructor)
– 1-day Tutorial “Call Centers: Planning, Evaluation and Optimization”
– 1-day Tutorial “Introduction to IPv6 and Strategies of IPv6 Transition”

Skills

Languages Russian (native), English (proficient), Portuguese (elementary), Swedish (elementary)

Technical skills Python, Java, Clojure, Prolog, Haskell, Ruby, VoiceXML, TCP/IP, Linux, L^AT_EX

Publications

Journal papers and conference publications

- [1] Arash Eshghi, Vladislav Maraev, Christine Howes, Julian Hough, and Chiara Mazzocconi. “what are you laughing at?” incremental processing of laughter in interaction. In *Proceedings of the 23rd Workshop on the Semantics and Pragmatics of Dialogue - Poster Abstracts*, London, United Kingdom, September 2019. SEMDIAL.
- [2] Ellen Breitholtz and Vladislav Maraev. How to put an elephant in the title: Modeling humorous incongruity with topoi. In *Proceedings of the 23rd Workshop on the Semantics and Pragmatics of Dialogue - Full Papers*, London, United Kingdom, September 2019. SEMDIAL.
- [3] Vladislav Maraev, Arash Eshghi, Julian Hough, Christine Howes, and Chiara Mazzocconi. Laughter relevance spaces. In *The 3rd Dynamic Syntax Conference*, 2019.
- [4] Vladislav Maraev, Christine Howes, and Jean-Philippe Bernardy. Predicting laughter relevance spaces. In *Proceedings of the International Workshop on Spoken Dialog System Technology*, 2019.
- [5] Vladislav Maraev and Christine Howes. Towards an annotation scheme for causes of laughter in dialogue. In *Proceedings of the International Workshop on Spoken Dialog System Technology*, 2018. To appear.
- [6] Vladislav Maraev, Chiara Mazzocconi, Christine Howes, and Jonathan Ginzburg. Integrating laughter into spoken dialogue systems: preliminary analysis and suggested programme. In *Proceedings of the FAIM/ISCA Workshop on Artificial Intelligence for Multimodal Human Robot Interaction*, pages 9–14, 2018.
- [7] Chiara Mazzocconi, Vladislav Maraev, Christine Howes, and Jonathan Ginzburg. Analysis of laughables: a preliminary perception study. In *Proceedings of the Workshop on Dialogue and Perception*, pages 43–47, 2018.
- [8] Chiara Mazzocconi, Vladislav Maraev, and Jonathan Ginzburg. Laughter repair. In *Proceedings of SemDial 2018 (AixDial)*, pages 16–25, 2018.
- [9] Chiara Mazzocconi, Vladislav Maraev, and Jonathan Ginzburg. Clarifying laughter. In *Proceedings of Laughter Workshop 2018*, pages 16–20, 2018.
- [10] Vladislav Maraev, Jonathan Ginzburg, Staffan Larsson, Ye Tian, and Jean-Philippe Bernardy. Towards KoS/TTR-based proof-theoretic dialogue management. In *Proceedings of SemDial 2018 (AixDial)*, pages 73–82, 2018.
- [11] Chakaveh Saedi, Joao Rodrigues, Joao Silva, Vladislav Maraev, et al. Learning profiles in duplicate question detection. In *Information Reuse and Integration (IRI), 2017 IEEE International Conference on*, pages 544–550. IEEE, 2017.
- [12] Vladislav Maraev, Chakaveh Saedi, João Rodrigues, António Branco, and João Silva. Character-level convolutional neural network for paraphrase detection and other experiments. In *Conference on Artificial Intelligence and Natural Language*, pages 293–304. Springer, 2017.

- [13] Octavia Efrain, Vladislav Maraev, and João Rodrigues. Boosting a rule-based chatbot using statistics and user satisfaction ratings. In *Conference on Artificial Intelligence and Natural Language*, pages 27–41. Springer, 2017.
- [14] João António Rodrigues, Chakaveh Saedi, Vladislav Maraev, Joao Silva, and António Branco. Ways of asking and replying in duplicate question detection. In *Proceedings of the 6th Joint Conference on Lexical and Computational Semantics (* SEM 2017)*, pages 262–270, 2017.

Journal Papers (in Russian)

- Vladislav Maraev, *Methods of Overcoming the IPv4 exhaustion*, Communications bulletin, 10-2014
- Vladislav Maraev and Vladimir Kharitonov, *Strategies of IPv6 Transition in context of IPv4 exhaustion*, Mobile Telecommunications, 09-2014
- Vladislav Maraev, *Analysis of Methods of Backward-Recursive PCE-Based Computation in GM-PLS Networks*, State University of Telecommunications student conference materials, 05-2011
- Vladislav Maraev and Anton Zarubin, *Video Conferencing as a Carrier-Grade Service*, CONNECT! World of Telecommunications, 09-2009
- Vladislav Maraev and Anton Zarubin, *From Call-Center to Video-Call-Center*, CONNECT! World of Telecommunications, 04-2009

Talks

Posters

- Vladislav Maraev, *Laughter-Infused Spoken Dialogue Systems: the Starting Point*, presented at: The 7th annual CLT workshop, Nov 30–Dec 1, Fiskebäckskil, Sweden.
- Vladislav Maraev, *Question Answering Based on Distributional Semantics*, presented at: PROPOR-2016 Student Research Workshop, July 13–15, Tomar, Portugal.

Oral presentations

- *Humour in Dialogue Dynamics*, June 25, 30th ISHS Conference 2018, Austin, USA; joint work with Ellen Breitholtz (University of Gothenburg).
- *Detecting Incongruity in Figurative Speech with Multi-task Learning Methods*, June 25, 30th ISHS Conference 2018, Austin, USA; joint work with Elena Mikhailova and Nadezhda Ganzherli (Tyumen State University)
- *Laughter relevance spaces*, May 7, CLT retreat, Bohusgården, Sweden.
- *Laughter in dialogues with humans and machines*, Dec 19, Conference on Text Interpretation (2018), Tyumen, Russia.
- *News Aggregator as a Tool for (Black) Humor Generation*, July 27, 30th ISHS Conference 2018, Tallinn, Estonia, joint work with Ilya Utekhin (European University at Saint Petersburg).
- *What makes (conversational) agents laugh*, July 15, 18th International Summer School and Symposium on Humour and Laughter (2018), University of Wolverhampton, England.
- *Dialogue systems*, Dec 9, 2017, Minsk Knowledge Office, Belarus
- *Laughter in conversation*, Dec 9, 2017, Minsk Knowledge Office, Belarus
- *Boosting a rule-based chatbot using statistics and user satisfaction ratings*, AINL 2017, Sep 20–23, St Petersburg, Russia
- *NLX-Group at Russian Paraphrase Detection Task: Character-level Convolutional Neural Network for Sentence Paraphrase Detection*, AINL FRUCT 2016 Workshop on Russian Paraphrase Detection, Nov 10–12, St Petersburg, Russia
- *Speech-only interfaces: issues and prospects*, AINL 2014 Industry section, Sept 12–13, Moscow, Russia

Courses

Reviewing

Programming Committee memberships:

- Conference on Artificial Intelligence and Natural Language (AINL) (2017–Present)
- Association for the Advancement of Artificial Intelligence (AAAI) Conference on Artificial Intelligence (2019–Present)
- Conference on Empirical Methods in Natural Language Processing (EMNLP) (2019–Present)

References

- **Antonio Branco**, Associate Professor with Habilitation, Department of Informatics, Faculty of Sciences, University of Lisbon
- **Carlos Lourenço**, Assistant Professor, Department of Informatics, Faculty of Sciences, University of Lisbon
- **Helder Coelho**, retired Full Professor, Department of Informatics, Faculty of Sciences, University of Lisbon