

CV – Roi Reichart

Name: *Roi Reichart*. **Born:** February 20, 1980, Israel. **Family status:** Married + 3.

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Current position

1/7/2013 - present: Assistant professor, Faculty of Industrial Engineering and Management, Technion – Israel Institute of Technology.

9/2015 – present: visiting professor, University of Cambridge, department of theoretical and applied linguistics.

Education**The Hebrew University of Jerusalem.**

PhD, The Interdisciplinary Center for Neural Computation (ICNC).

Advisor: Professor Ari Rappoport.

Thesis title: Semi-Supervised Learning of Natural Language.

11/2003-6/2010. PhD Approval Date: 1/5/2011

The Hebrew University of Jerusalem.

MSc, The Interdisciplinary Center for Neural Computation (ICNC).

6/2007. Part of a direct PhD program. Average Grade: 95.

The Open University of Israel.

BA in Computer Science. *Magna Cum Laude*.

9/1999 – 12/2003. Average Grade: 92.

Past academic positions:**The University of Cambridge.**

Post-doc Researcher. Host: Dr. Anna Korhonen.

1/5/2012 – 30/6/2013

Massachusetts Institute of Technology (MIT).

Post-doc Fellow/Associate. Host: Professor Regina Barzilay.

9/2010 – 4/2012

Main Industrial Experience:

6/2017 - present: NLP consultant at Gong.io, Herzliya, Israel.

7/2014 – 3/2016: Visiting research scientist. Yahoo Labs, Haifa, Israel.

9/2012 – 6/2013: NLP consult at ExB Communication Systems GmbH, Germany.

Publications Record

Over 50 refereed papers: most in top-tier NLP conferences and journals, 2 in social computing conferences. **Note:** Conferences are the major publication venue of the NLP field. The top conferences of the field (ACL, NAACL, COLING, EMNLP and CoNLL) are highly competitive with acceptance rates no higher than 25%.

Selected Publications

[1] Pivot-based Language Modeling for Improved Domain Adaptation. Yftah Ziser and **Roi Reichart**. NAACL 2018.

[2] Neural Structural Correspondence Learning for Domain Adaptation. Yftah Ziser and **Roi Reichart**. CoNLL 2017.

[3] Replicability Analysis for Natural Language Processing: Testing Significance with Multiple Datasets. 2017. Rotem Dror, Gili Baumer, Marina Bogomolov and **Roi Reichart**. Accepted to the Transactions of the Association for Computational Linguistics (TACL).

[4] Semantic Specialization of Distributional Word Vector Spaces using Monolingual and Cross-lingual Constraints. Nikola Mrksic, Ivan Vulic, Diarmuid O Seaghdha, Ira Leviant, **Roi Reichart**, Milica Gasic, Anna Korhonen and Steve Young. Transactions of the Association for Computational Linguistics (TACL 5:309-324 (2017)).

[5] The Structured Weighted Violations Perceptron Algorithm. Rotem Dror and **Roi Reichart**. EMNLP 2016.

[6] SimLex-999: Evaluating Semantic Models with (Genuine) Similarity Estimation. Felix Hill, **Roi Reichart** and Anna Korhonen. Computational Linguistics 41(4): 665-695 (2015).

[7] Symmetric Pattern Based Word Embeddings for Improved Word Similarity Prediction. Roy Schwartz, **Roi Reichart** and Ari Rappoport. CoNLL 2015.

[8] Improved Parsing and POS Tagging Using Inter-Sentence Consistency Constraints. Alexander Rush (*), **Roi Reichart** (*), Michael Collins and Amir Globerson. EMNLP 2012. (*) - Both authors equally contributed to the paper.

[9] Modeling the Detection of Textual Cyberbullying. Karthik Dinakar, **Roi Reichart** and Henry Lieberman. ICWSM-11 Workshop on Social Mobile Web. ICWSM-SMW 2011.

[10] Self-Training for Enhancement and Domain Adaptation of Statistical Parsers Trained on Small Datasets. **Roi Reichart** and Ari Rappoport, ACL 2007.

Research students (as a faculty member: main adviser and co-advisor):

Technion: 5 PhD students (3 that started as MSc students and moved to the direct PhD track). 5 MSc students. 10 MSc students that have graduated. **University of Cambridge:** Daniela Gerz (PhD, jointly with Anna Korhonen). **4 Students in co-supervision have already graduated:** Roy Schwartz (PhD, Hebrew University, jointly with Ari Rappoport), Simon Baker (MPhil, U Cambridge, jointly with Anna Korhonen), Yufan Guo and Felix Hill (PhD, U Cambridge, jointly with Anna Korhonen).

Selected Past and Present Research grants (from a total of 14 grants, ~850K USD since 7/2013):

(1) **Google faculty research award**, twice (2015,2019 - ~40K USD each). (2) **GIF (German Israel Foundation), Young Scientist Grant**, (1/1/2016 - 31/12/2016), *20K Euro*. (3) **Intel ICRI-CI Research Grant**, (7/2015-12/2017), *90K USD*. (4) **Magnet (Israel Innovative Authority)**, (1/6/2016 – 31/5/2018), *440K shekels (~123K USD)*. (5) **AOL Research Grant**, (9/2015-8/2019), *1255K USD*. (6) **Kamin (Israel Innovative Authority)**, (1/9/2017 – 30/8/2020), *660K shekels (~184K USD)*. (7) **ISF (Israel Science Foundation) personal grant** (1/10/18 – 31/9/22): *278,135 USD*. (8) Additional grants from Microsoft, Bank Hapoalim (Israel's largest bank) and Intel.

Selected prizes, honors and awards:

The ISF Bikura fellowship for outstanding Israeli post-docs (10/2010-10/2012). A two-year fellowship (34K USD a year) and a research grant (~20K USD) for first years in an academic position. Given by the Israel Science Foundation to six outstanding postdocs from all academic areas.

The Dimitris N. Chorafas award for PhD dissertation in the applied sciences.

The Thirteenth Conference on Computational Natural Language Learning (CoNLL 2009). Best paper award for the paper: *Sample Selection for Statistical Parsers: Cognitively Driven Algorithms and Evaluation Measures*. (together with Ari Rappoport).

Technion honorable mention for the institute teaching prize (Yanai Prize, 2019).

Professional Services and Activities:

Journal Editorial board: Transactions of the ACL (member of the standing reviewing committee, 6/2016 – 6/2020). PLoS One (9/2018 – 8/2021). AI Communications (9/2018 -).

Conference Area Chair: NAACL (2018, 2019), ACL 2019, CoNLL 2018, IJCAI (2011,2019, senior PC member), *SEM 2019.

Conference Reviewer: Since 2007 reviewing on a regular basis for: ACL, EMNLP, NAACL, CoNLL, EACL, COLING. Since 2012: NIPS. Since 2016: ICML. Since 2019: ICLR. Occasionally reviewing for AAAI, ICWSM, IJCAI.

Workshop Organizer: First and Second Workshops on Unsupervised Learning in NLP. EMNLP 2011, EACL 2012 (together with Omri Abend, Anna Korhonen and Ari Rappoport). **First and Second Workshops on Evaluating Vector Space Representations for NLP** (ACL 2016, EMNLP 2017. Together with Omer Levy, Felix Hill, Anna Korhonen, Kyunghyun Cho, Yoav Goldberg, Antoine Bordes, Sam Bowman, Angeliki Lazaridou, and Anders Søgaard).