

SHIVA TASLIMIPOOR

Natural Language and Information Processing Research Group ◊ University of Cambridge

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RESEARCH INTERESTS

Natural Language Processing, Multiword Expressions, Semantic Similarity, Automatic Language Teaching and Assessment, Machine Learning and Deep Learning.

EDUCATION

PhD in Natural Language Processing, University of Wolverhampton, UK 2014-2018

- Thesis: Automatic Identification and Translation of Multiword Expressions
- Supervisor: Prof. Ruslan Mitkov

M. Sc. in Artificial Intelligence, Shiraz University 2009-2012

- Thesis: Automatic Investigation of the Semantics of Persian Compound Verbs
- Supervisor: Dr. Afsaneh Fazly

B. Sc. in Computer Science and Engineering, Shiraz University 2004-2008

- Thesis: Detecting Openness of Pistachio Nuts Using Image Classification Methods
- supervisor: Prof. Zohreh Azimifar

WORK EXPERIENCE

Postdoctoral Research Associate October 2019 - Present

Natural Language and Information Processing Research Group, University of Cambridge

- Automatic generation of exercises for language learners
- Processing Multiword Expressions for educational applications
- Co-supervising PartII students for NLP projects

Postdoctoral Research Associate October 2018 - September 2019

Research Group in Computational Linguistics, University of Wolverhampton

- Question-answer generation
- Predicting item characteristics for multiple choice question answering

Research Assistant 2014 - 2018

Research Group in Computational Linguistics, University of Wolverhampton

Researcher & Developer 2013 - 2014

Computer Vision and Pattern Recognition Lab, Shiraz University

Instructor Fall 2012 & Spring 2013

Jahrom Universities, Iran

- Discrete Mathematics
- Data Structures
- Artificial Intelligence
- Intro. to Formal Languages & Automata

TECHNICAL SKILLS

Programming Languages	Python, MATLAB, Java, C/C++ (prior experience)
NLP Tools	SpaCy, Gensim, NLTK, SketchEngine, WordNet
ML Tools	PyTorch, Keras (with Tensorflow backend), Scikit-learn
ML Expertise	Deep learning, representation learning, classification, regression, tagging, structured prediction and statistical analysis
Languages	Persian(Native), English(Fluent), Italian(Familiar with)

ACADEMIC ACHIEVEMENTS

Best paper award in RANLP 2017

Best paper award by a young researcher in Europhras2015

PARSEME grant for the 2nd PARSEME training school, Summer 2016

Ph.D. Scholarship from the University of Wolverhampton, UK, (2014-2017)

COMMUNITY SERVICE

Standing Committee

2020 - 2022

SIGLEX-MWE section of the Special Interest Group on the Lexicon of the Association for Computational Linguistics (ACL)

Editorial Assistant

2014 - 2019

Cambridge Journal of Natural Language Engineering

Organising Committee Member

- 17th and 18th Workshops on Multiword Expressions (MWE 2021, MWE 2022) 2021, 2022
- Summer School on Deep Learning in NLP (DLinNLP), Varna, Bulgaria 29-30 August 2019
- EUROPHRAS 2017 (including a student workshop), London, UK 13-14 November 2017

Programme Committee Member & Reviewer

JNLE, ACL (2020-2022), EMNLP (2021, 2020), EACL 2021, RANLP (2015-2021), CoLing (2020-2022), OxBridge 2020 WinAI, EUROPHRAS 2019, SemEval (2019 & 2018), SLSP 2017, CICLing 2017

TALKS AND LECTURES

Invited talk, University of Essex NLIP weekly seminar

13 May 2020

Instructor, practical coding session on sequence tagging & multitask learning
Summer School on Deep Learning in NLP (DLinNLP), Varna, Bulgaria

30 August 2019

Guest Lecturer, 7LN001 Python Programming, University of Wolverhampton

Fall 2016

SELECTED PUBLICATIONS

Improving Grammatical Error Correction for Multiword Expressions, S. Taslimipoor, C. Bryant, Z. Yuan. In *proceedings of the 18th Workshop on Multiword Expressions @LREC2022*, pp. 915. 2022.

Constructing Open Cloze Tests Using Generation and Discrimination Capabilities of Transformers, M. Felice, S. Taslimipoor, P. Buttery. In *Findings of the Association for Computational Linguistics: ACL 2022*, pp. 12631273. 2022.

Multi-Class Grammatical Error Detection for Correction: A Tale of Two Systems., Z. Yuan, S. Taslimipoor, C. Davis, C. Bryant. In *EMNLP-2021*, pp. 87228736. 2021.

MTLB-STRUCT @Parseme 2020: Capturing Unseen Multiword Expressions Using Multi-task Learning and Pre-trained Masked Language Models, S. Taslimipoor, S. Bahaadini, E. Kochmar. In *MWE-LEX 2020 @ ACL*, pp. 142148. 2020. (1st ranked system)

Bridging the Gap: Attending to Discontinuity in Identification of Multiword Expressions, O. Rohanian, S. Taslimipoor, S. Kouchaki, L. A. Ha, R. Mitkov. In *NAACL-HLT 2019*, 2019. (Equal collaboration with the first author)

Cross-lingual Transfer Learning and Multitask Learning for Capturing Multiword Expressions, S. Taslimipoor, O. Rohanian, L. A. Ha. In *MWE-WN 2019 @ ACL*, 2019.

SHOMA at Parseme Shared Task on Automatic Identification of VMWEs: Neural Multiword Expression Tagging with High Generalisation, S. Taslimipoor and O. Rohanian. In arXiv preprint 2018.

Wolves at SemEval-2018 Task 10: Semantic Discrimination based on Knowledge and Association, S. Taslimipoor, O. Rohanian, L. A. Ha, G. Corpas, R. Mitkov. In *SemEval*, 2018.

WLV at SemEval-2018 Task 3: Dissecting Tweets in Search of Irony, O. Rohanian, S. Taslimipoor, R. Evans, R. Mitkov. In *SemEval*, 2018.