Paria Jamshid Lou

pariajm.github.io
paria.jamshid-lou@hdr.mq.edu.au
Sep 2020

EDUCATION

Macquarie University — Sydney, Australia
PhD Candidate, Computer Science — Oct 2017 - Apr 2021
Advisor: Prof. Mark Johnson
Thesis: *Automatic Detection and Correction of Disfluencies in Spontaneous Speech*

Macquarie University — Sydney, Australia
Master of Research, Computer Science — Jul 2016 - Apr 2017
High Distinction (86.4/100)
Advisor: Prof. Mark Johnson
Thesis: *Disfluency Detection using a Noisy Channel Model and Deep Neural Language Model*

Sharif University of Technology — Tehran, Iran
Master of Science, Computational Linguistics — Sep 2011 - Jan 2013
1st class Honors (GPA: 18.81/20)
Thesis: *Automatic Labeling of Prosodic Events in Persian Unmarked Speech and Text using Acoustic and Syntactic Model*

RESEARCH INTERESTS

Natural Language Processing, Deep Learning, Machine Learning, Speech Processing

PUBLICATIONS

[7] **Paria Jamshid Lou** and Mark Johnson. 2020. End-to-End Speech Recognition and Disfluency Removal. In *Findings of the Association for Computational Linguistics: EMNLP 2020*, pages 2051-2061, Online.

[6] **Paria Jamshid Lou** and Mark Johnson. 2020. Improving Disfluency Detection by Self-Training a Self-Attentive Model. In *Proceedings of ACL*, pages 3754-3763, Online.

[5] **Paria Jamshid Lou**, Yufei Wang, and Mark Johnson. 2019. Neural Constituency Parsing of Speech Transcripts. In *Proceedings of NAACL*, pages 2756-2765, Minneapolis, USA.

[4] Omid M. Nezami, **Paria Jamshid Lou**, and Mansoureh Karami. 2019. ShEMO: A Large-scale Validated Database for Persian Speech Emotion Detection. *Journal of Language Resources and Evaluation*, 53(1): 1-16.

[3] **Paria Jamshid Lou**, Peter Anderson, and Mark Johnson. 2018. Disfluency Detection using Auto-Correlational Neural Networks. In *Proceedings of EMNLP*, pages 4610-4619, Brussels, Belgium.

[2] **Paria Jamshid Lou** and Mark Johnson. 2017. Disfluency Detection using a Noisy Channel Model and a Deep Neural Language Model. In *Proceedings of ACL*, pages 547-553, Vancouver, Canada.

[1] Omid M. Nezami, Anvar Bahrampour, and **Paria Jamshid Lou**. 2013. Dynamic Diversity Enhancement in Particle Swarm Optimization (DDEPSO) Algorithm for Preventing from Premature Convergence. *Procedia Computer Science*, 24: 5465.

HONORS & AWARDS

Winner of Intelligence-led Policing Hackathon, Macquarie University 2019
- Algorithmic Challenge and Demo Challenge

Macquarie University Postgraduate Research Fund (PGRF) 2019

Data61 CSIRO Top-up Scholarship 2018

3rd Place in Industry Event Poster Competition, Macquarie University 2018

International Macquarie University Research Training Program Scholarship 2017

Excellent Research Progress Award, Macquarie University 2017

High Distinction in MRes Program, Macquarie University 2017

International Research Training Pathway Scholarship 2016

PROFESSIONAL EXPERIENCE

Reviewer of Top-Tier International Conferences
- Transactions on Audio, Speech and Language Processing 2021
- NAACL 2021
- EMNLP 2020
- ECML 2019

ASR Gooyesh Pardaz Tehran, Iran
Research Intern Feb 2012 - Jun 2012
- Extending the Prosodic Events Labellor for Persian

Department of Computing, Sharif University Tehran, Iran
Teaching Assistant Sep 2011 - May 2012
- Teaching Acoustics to Postgraduate Students

REFEREES

Available upon request!