

# Paria Jamshid Lou

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## EDUCATION

### Macquarie University

*PhD, Computer Science*

Advisor: Prof. Mark Johnson

Thesis: *Deep Disfluency Detection from Text and Speech*

Sydney, Australia  
Oct 2017 - Apr 2021

### Macquarie University

*Master of Research, Computer Science*

High Distinction (86.4/100)

Advisor: Prof. Mark Johnson

Thesis: *Disfluency Detection using a Noisy Channel Model and Deep Neural Language Model*

Sydney, Australia  
Jul 2016 - Apr 2017

### Sharif University of Technology

*Master of Science, Computational Linguistics*

1<sup>st</sup> class Honors (GPA: 18.81/20)

Thesis: *Automatic Labeling of Prosodic Events in Persian Unmarked Speech and Text using Acoustic and Syntactic Model*

Tehran, Iran  
Sep 2011 - Jan 2013

## 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.

<b>HONORS &amp; AWARDS</b>	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
	3 <sup>rd</sup> 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**

- EMNLP 2020
- ECML 2019

**Department of Computing, Azad University** Tehran, Iran  
*Research Assistant* Oct 2014 - Feb 2016  
 • Developing a Speech Emotion Detection System for Persian

**Department of Computing, Payam-Noor University** Tehran, Iran  
*Adjunct Lecturer* Sep 2013 - Sep 2014  
 • Teaching AI and Technical English to IT Undergraduate Students

**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!