Paria Jamshid Lou

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EDUCATION

Macquarie University — Sydney, Australia
PhD, Computer Science — 2017-2020
Advisor: Prof. Mark Johnson
Thesis: *Disfluency Detection using Deep Learning*

Macquarie University — Sydney, Australia
Master of Research, Computer Science — 2016-2017
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 — 2011-2013
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, Disfluency Detection, Speech Recognition

HONORS & AWARDS

- Winner of Intelligence-led Policing Hackathon (Algorithmic Challenge), Macquarie University 2019
- Winner of Intelligence-led Policing Hackathon (Demo Challenge), Macquarie University 2019
- 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 (iMQRTP) Scholarship 2017
- Excellent Research Progress Award, Macquarie University 2017
- High Distinction in MRes Program, Macquarie University 2017
- International Research Training Pathway (iRTP) Scholarship, Macquarie University 2016

PUBLICATIONS

[7] **Paria Jamshid Lou** and Mark Johnson. 2020. End-to-End Speech Recognition and Disfluency Removal. To appear in *EMNLP Findings*.

[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.

PROFESSIONAL EXPERIENCE

Reviewer: ECML 2019, EMNLP 2020

Research Assistant at Azad University, Iran 2015
Project: Speech Emotion Detection in Persian

Adjunct Lecturer at Payam-Noor University, Iran 2014
Courses: Artificial Intelligence, Technical English for IT undergraduate students

Research Intern at ASR Gooyesh Pardaz, Iran 2013

REFEREES

Available upon request!