SHRUTI PALASKAR

spalaska@cs.cmu.edu   shrutijpalaskar.github.io

RESEARCH INTERESTS

Multimodal Machine Learning, Speech Recognition, Natural Language Processing

EDUCATION

Carnegie Mellon University   2018 - Current
PhD Language Technologies, School of Computer Science   Advisor: Florian Metze

Carnegie Mellon University   2016 - 2018
MS Language Technologies, School of Computer Science   Advisor: Florian Metze

Pune Institute of Computer Technology   2012 - 2016
BE Computer Engineering, First Class with Distinction

PUBLICATIONS

Journal Papers

3. Shruti Palaskar*, Ramon Sanabria* and Florian Metze, "Transfer Learning for Multimodal Dialog", Elsevier Computer Speech and Language 2019 (Under Review)

2. 2018 JSALT Workshop Team, "Grounded Sequence-to-Sequence Transduction", IEEE Journal on Selected Topics in Signal Processing 2019 (Under Review)

1. 2017 JSALT Workshop Team, "Speech Technology for Unwritten Languages", IEEE Transactions on Audio, Speech and Language Processing 2019 (Under Review)

Conference Papers

8. Shruti Palaskar, Jindrich Libovicky, Spandana Gella and Florian Metze, "Multimodal Abstractive Summarization of How2 Videos", ACL 2019

7. Shruti Palaskar*, Vikas Raunak* and Florian Metze, "Learned in Speech Recognition: Contextual Acoustic Word Embeddings", ICASSP 2019

6. Nils Holzenberger*, Shruti Palaskar*, Pranava Madhyastha, Raman Arora and Florian Metze, "Learning from Multiview Correlations in Open-Domain Videos", ICASSP 2019

5. Ozan Caglayan, Ramon Sanabria, Shruti Palaskar, Loic Barrault and Florian Metze, "Multimodal Grounding for Sequence-to-Sequence Speech Recognition", ICASSP 2019

4. Shruti Palaskar and Florian Metze, "Acoustic-to-Word Recognition with Sequence-to-Sequence Models", SLT 2018

3. Shruti Palaskar*, Ramon Sanabria*, Florian Metze, "End-to-End Multimodal Speech Recognition", ICASSP 2018

2. Odette Scharenborg,..., Shruti Palaskar,..., Emmanuel Dupoux, "Linguistic Unit Discovery from Multimodal Inputs in Unwritten Languages", ICASSP 2018

1. Odette Scharenborg, Francesco Ciannella, Shruti Palaskar, Alan Black, Florian Metze, Lucas Ondel, Mark Hasegawa-Johnson, "Building an ASR System for a Low-resource Language Through the Adaptation of a High-resource Language ASR System: Preliminary Results", ICNLSSP 2017

Workshop Papers

4. Ramon Sanabria*, Shruti Palaskar*, and Florian Metze, "CMU Sinbad's Submission to the DSTC7 AVSD Track", Dialog State Tracking Challenge (DSTC) and Workshop, AAAI 2019 *Oral Presentation*

3. Jindrich Libovicky, Shruti Palaskar, Spandana Gella and Florian Metze, "Multimodal Abstractive Summarization for Open-Domain Videos", Visually Grounded Interaction and Language (ViGIL), NeurIPS 2018 *Spotlight Presentation*

2. Ramon Sanabria, Ozan Caglayan, Shruti Palaskar, Desmond Elliot, Loic Barrault, Lucia Specia and Florian Metze, "How2: A Large-scale Dataset for Multimodal Language Understanding", Visually Grounded Interaction and Language (ViGIL), NeurIPS 2018

1. Shruti Palaskar and Florian Metze, "End-to-End Audio Visual Speech Recognition and Summarization", Young Female Researchers in Speech Workshop (YFRSW), Interspeech 2017

HONORS AND AWARDS

Facebook Fellowship	2019-2021
Center for Machine Learning and Health Fellowship	2018-2019
CMU LTI Graduate Fellowship	2016-2018
Winning team of the Dialog State Tracking Challenge, AAAI 2019	2019

INVITED TALKS

IBM	September 2019
Learning from Large-Scale Instructional Videos	*Yorktown Heights, NY*
University of Copenhagen	July 2019
Learning Acoustic Word Embeddings	*Copenhagen, Denmark*
Amazon	March 2019
Learning Acoustic Word Embeddings	*Seattle, WA*

INTERNSHIPS

Abridge AI Inc	May 2019 - Aug 2019
Research Intern	*Pittsburgh, PA*
Jelinek Memorial Workshop on Speech and Language Technology	June 2018 - Aug 2018
Graduate Student Participant, Johns Hopkins University	*Baltimore, MD*
Jelinek Memorial Workshop on Speech and Language Technology	June 2017 - Aug 2017
Graduate Student Participant, Carnegie Mellon University	*Pittsburgh, PA*
IIT Bombay	Sept 2015 - Dec 2015
Research Intern	*Mumbai, India*
MIT Media Lab REDX	May 2015 - July 2015
Innovation Engineer	*Mumbai, India*

TEACHING

Speech Recognition and Understanding	Fall 2018
Graduate Course, CMU	*Teaching Assistant*

ACADEMIC SERVICE

Workshop Co-Organizer
The How2 Challenge and Workshop: New Tasks for Vision and Language
ICML 2019, Long Beach, CA

Journal Reviewing
Elsevier Computer Speech and Language 2019

Conference Reviewing
NAACL 2019
ICASSP 2019

Workshop Reviewing
Dialog System Technology Challenges AAAI 2019

Departmental Service
LTI Open-House Student Research Symposium Reviewer 2019

OUTREACH

Creative Technologies Nights, CMU
Introduce middle school girls to various technology-related topics in weekly presentations.

Take Our Daughters and Sons to Work, CMU
Present a roadshow about working in Computer Science to middle school children.

Young Female Researchers in Speech Workshop, Interspeech 2017, 2018
Participated and mentored students working in speech technologies.