

Mandy B. Korpusik

Assistant Professor of Computer Science at Loyola Marymount University

Los Angeles, CA, US

Seaver College of Science and Engineering

Biography

Professor Mandy Korpusik received her B.S. in Electrical and Computer Engineering from Franklin W. Olin College of Engineering in May, 2013. She completed her S.M. in Computer Science at MIT in June, 2015 and received her Ph.D. from MIT in June, 2019. Her primary research interests include natural language processing and spoken language understanding for dialogue systems. Professor Korpusik used deep learning models to build the Coco Nutritionist application for iOS that allows obesity patients to more easily track the food they eat by speaking naturally. Her long-term research goal is to deploy a collection of AI-based conversational agents that improve the health, well-being, and productivity of people.

Industry Expertise

Computer Software, Health and Wellness

Areas of Expertise

Spoken Dialogue Systems, Natural Language Processing, Electrical Engineering and Computer Science, Deep Learning

Sample Talks

Conference: A Comparison of Deep Learning Methods for Language Understanding

M.Korpusik, Z. Liu, J. Glass Interspeech 2019, Graz, Austria

Workshop: A Food Logging System for iOS with Natural Spoken Language Meal Descriptions

M. Korpusik, S. Taylor, S.Das, C. Gilhooly, S. Roberts, J. Glass Nutrition 2019, Baltimore

Conference: Dialogue State Tracking with Convolutional Semantic Taggers

M. Korpusik, J. Glass ICASSP 2019, Brighton, UK

Workshop: Convolutional Neural Endoder for the 7th Dialogue System Technology Challenge

M. Korpusik, J. Glass DSTC7 Workshop, Honolulu (2019)

Conference: Convolutional Neural Networks for Dialogue State Tracking without Pre-trained Word Vectors or Semantic Dictionaries

M. Korpusik, J. Glass SLT 2018, Athens

Education

Franklin W. Olin College of Engineering
B.S. Electrical and Computer Engineering

Massachusetts Institute of Technology
S.M. Electrical Engineering and Computer Science

Massachusetts Institute of Technology
Ph.D. Electrical Engineering and Computer Science

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