



**MERCCon 2019**  
Moratuwa Engineering Research Conference

# A HANDS-ON WORKSHOP IN WORD EMBEDDING: From Word2Vec to StarSpace

*Conducted by the National Language Processing Centre (NLPC) of  
University of Moratuwa  
<https://www.mrt.ac.lk/web/nlp>*

This workshop is focused on giving an introduction to the concept, implementation, and the uses of neural word embedding. Neural word embedding is the collective name for a set of language modeling and feature learning techniques based on neural networks, where words or phrases from the vocabulary are mapped to vectors of real numbers.



This hands-on workshop targets undergraduate and postgraduate students who carry out research in the area of Natural Language Processing. Software Engineers and Data Scientists developing applications in the area of Natural Language Processing will also benefit.

*The candidates are required to bring a laptop with python installed.*

## The Topics Covered:

1. Word Embedding & its brief History
2. Applications of Word Embeddings
3. Rotation and scaling of Word Embeddings
4. State of the art in Word Embeddings

## Speakers:

Dr. R.T. Uthayasanker  
Dr. R.A.D.S. Ranathunga  
Mr. W.A.Y.P. Senarath

**Date:** 5<sup>th</sup> July 2019  
**Venue:** University of Moratuwa  
**Time:** Full day - 9 am to 4 pm

## Payments:

*Participants with foreign affiliation: USD 60  
Participants with Sri Lankan affiliation: LKR 3000*

WORKSHOP 1

5<sup>th</sup> International Multidisciplinary Engineering Research Conference

5<sup>th</sup>  
July 2019  
University of  
Moratuwa,  
Sri Lanka