

# Several Variants of Tree Transformer

Yang Wei 🐷 51184506043

[godweiyang@gmail.com](mailto:godweiyang@gmail.com)

[godweiyang.com](http://godweiyang.com)

Computer Science and Technology

East China Normal University

# **Tree Transformer: Integrating Tree Structures into Self-Attention**

**Yau-Shian Wang   Hung-Yi Lee   Yun-Nung Chen**

National Taiwan University, Taipei, Taiwan

king6101@gmail.com   hungyilee@ntu.edu.tw   y.v.chen@ieee.org

# Multi-Granularity Self-Attention for Neural Machine Translation

**Jie Hao\***

Florida State University

haoj8711@gmail.com

**Xing Wang**

Tencent AI Lab

brightxwang@tencent.com

**Shuming Shi**

Tencent AI Lab

shumingshi@tencent.com

**Jinfeng Zhang**

Florida State University

jinfeng@stat.fsu.edu

**Zhaopeng Tu**

Tencent AI Lab

zptu@tencent.com

# **You Only Need Attention to Traverse Trees**

**Mahtab Ahmed, Muhammad Rifayat Samee and Robert E. Mercer**

Department of Computer Science, University of Western Ontario  
`{mahme255, msamee, rmercerc}@uwo.ca`