

Analyzing Software using Deep Learning

**AST-based and Graph-based
Neural Models of Code**

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Overview

Two (virtual) guest talks:

- Eran Yahav (Technion) on AST path-based models of code
- Milos Allamanis (MSR) on graph neural networks for code

Recommended papers:

- "code2vec: learning distributed representations of code", POPL, 2019
- "Learning to Represent Programs with Graphs", ICLR 2018