EMNLP 2025

The 2025 Conference on Empirical Methods in Natural Language Processing

Tutorial Abstracts

November 8, 2025

©2025 Association for Computational Linguistics

Order copies of this and other ACL proceedings from:

Association for Computational Linguistics (ACL)
317 Sidney Baker St. S
Suite 400 - 134
Kerrville, TX 78028
USA
Tel: +1-855-225-1962
acl@aclweb.org

ISBN 979-8-89176-336-4

Introduction

Welcome to the Tutorial Session of EMNLP 2025!

Building on the rapid progress in NLP, this year's tutorials at EMNLP 2025 will provide the audience with comprehensive overviews of seven cutting-edge topics by experts in these areas: efficient inference for large language models, instruction tuning, spoken conversational agents, code intelligence in language models, multilingual LLM expansion, neuro-symbolic approaches, and continual learning.

As in recent years, the process of soliciting, reviewing, and selecting tutorials was a collaborative effort across ACL, EACL, NAACL, and EMNLP. Each tutorial proposal underwent an evaluation by a panel of three reviewers, who assessed them based on multiple criteria including clarity, preparedness, novelty, timeliness, instructor expertise, potential audience reach, open access to teaching materials, and diversity. Following this review process, seven tutorials were selected for EMNLP 2025. We also ensured that at least one of the instructors will be presenting in person at the conference, as it is a better experience for the attendees.

We would like to thank the tutorial authors for their contributions, the tutorial chairs across conferences for this coordinated effort, as well as the EMNLP conference organizers, especially the general chair Dirk Hovy.

EMNLP 2025 Tutorial Co-chairs
Valentina Pyatkin
Andreas Vlachos

Organizing Committee

General Chair

Dirk Hovy, Bocconi University

Tutorial Chairs

Valentina Pyatkin, Allen Institute for AI; University of Washington
Andreas Vlachos, University of Cambridge

Table of Contents

Efficient Inference for Large Language Models –Algorithm, Model, and System
Xuefei Ning, Guohao Dai, Haoli Bai, Lu Hou and Yu Wang 1

Advancing Language Models through Instruction Tuning: Recent Progress and Challenges
Zhihan Zhang, Renze Lou, Fangkai Jiao, Wenpeng Yin and Meng Jiang 4

Spoken Conversational Agents with Large Language Models
Huck Yang, Andreas Stolcke and Larry P. Heck 7

NLP+Code: Code Intelligence in Language Models
Terry Yue Zhauo, Qian Liu, Zijian Wang, Wasi U. Ahmad, Binuian Hui and Loubna Ben Allal . 9

Data and Model Centric Approaches for Expansion of Large Language Models to New languages
Anoop Kunchukuttan, Raj Dabre, Rudra Murthy, Mohammed Safi Ur Rahman Khan and Thanmay Jayakumar 12

Neuro-Symbolic Natural Language Processing
André Freitas, Marco Valentino and Danilo Silva de Carvalho 14

Continual Learning of Large Language Models
Tongtong Wu, Trang Vu, Linhao Luo and Gholamreza Haffari 16