

# Third NeurIPS Workshop on Efficient Natural Language and Speech Processing (ENLSP-III): Towards the Future of Large Language Models and their Emerging Descendants

## Speakers



Samy Bengio  
(Apple)



Tatiana  
Likhomanenko  
(Apple)



Luke  
Zettlemoyer  
(UW)



Sarath Chandar  
(MILA)



Tara Sainath  
(Google)



Kenneth Heafield  
(Efficient Translation)

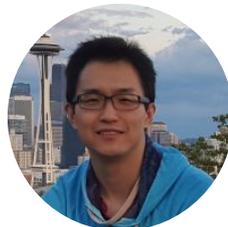


Ali Madani  
(Profluent)

## Panelists



Nazneen Rajani  
(Stealth)



Minjia Zhang  
(Microsoft)



Tim Dettmers  
(UW)

## Sponsors



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# Schedule

Session I  
(8:15-10:00)



*Kenneth Heafield (Founder of Efficient Translation)*

(Prev. Prof. at Univ. of Edinburgh)

“Deploying efficient translation at every level of the stack”



*Samy Bengio & Tatiana Likhomanenko (Apple)*

“Simple and efficient self-training approaches for speech recognition”



**5 Oral Spotlight Presentations** on:

- Prompt Evaluation and Optimization
- Nested Transformers and LLMs / Ensemble of Adapters for LLMs
- Pruning of Code Data / FlashFFTConv

Break & Poster Setup:  
10:00-10:30

Session II  
(10:30-12:00)



*Luke Zettlemoyer (University of Washington)*

“Branch-Train-Merge: Embarrassingly Parallel Training of Expert Language Models ”



*Sarath Chandar (École Poly. de Montréal MILA)*

“Knowledge Consolidation and Utilization (In)Ability of Large Language Models”



**5 Oral Spotlight Presentations** on:

- Low-dim/Quantized Adapters for LLMs
- Cooperative Prompt Optimization
- Linear Attention model / Parallel Speculative Sampling

Lunch Break (12:00 to 13:00)

Session III  
(13:00-15:00)



**Poster Session I**  
(Paper IDs #1 to 45)

(13:00-14:00)



*Ali Madani (Founder of Profluent)*

“LLMs for Protein Design: A Research Journey”



*Tara Sainath (Google)*

“End-to-End Speech Recognition: The Journey from Research to Production”

Break & Poster Setup:  
15:00-15:20

Session IV  
(15:20-17:15)

**Panel Discussion**



*Nazneen Rajani*  
(Stealth)



*Minjia Zhang*  
(Microsoft)



*Tim Dettmers*  
(UW)

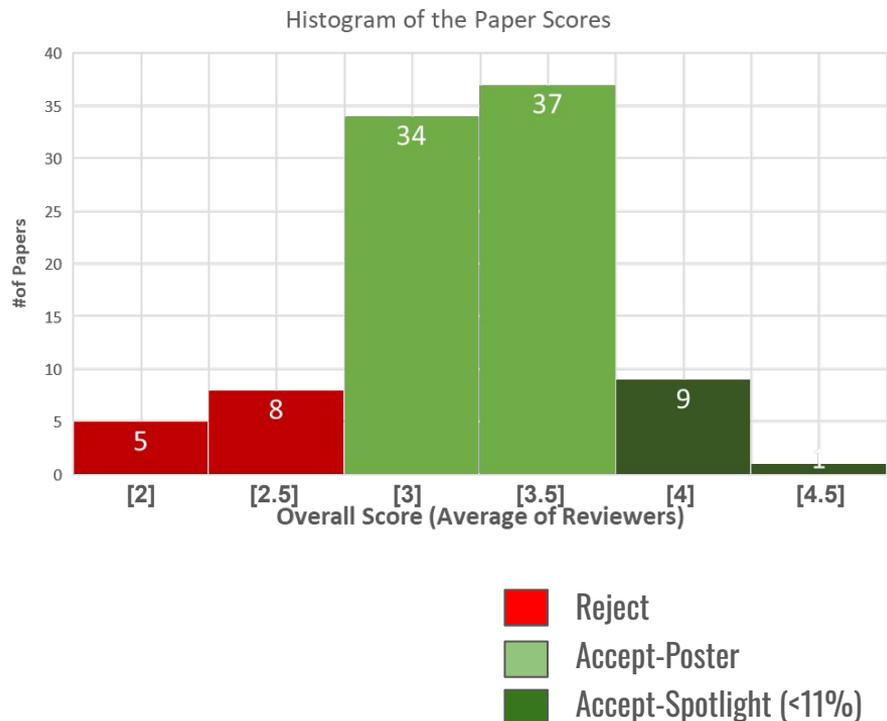


**Poster Session II**  
(Paper IDs #46 to 96)

(16:15-17:15)

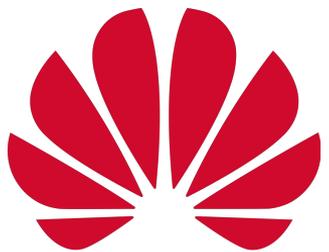
# Workshop Statistics

- 80 Accepted Papers:
  - ◆ **10** Spotlight (score > 4)
  - ◆ **70** Posters (score > 3)
  - ◆ 9 Accepted papers in Speech vs. 71 in NLP
- About our Reviews:
  - ◆ 100+ Active Reviewers
  - ◆ 300+ Reviews
  - ◆ 18 Meta-Reviewers



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