# GPTMB 2025

# Forward

The Second International Conference on Generative Pre-trained Transformer Models and Beyond (GPTMB 2025), held on July 6th- 10th, 2025 focused on advanced topics on GPTM and AI/Deep Learning and target the challenges of using at large scale of GPTM-based tools. The event considers the research works and the current challenges including input data, process truthfulness, impact on existing human perception, and lessons learned from experiments.

The advances on Machine Learning (ML) and Deep Learning (DL) change the nature of summarization and text generation. GPTM (Generative Pre-trained Transformer Models) are ML models that use DL techniques to generate natural language text. As for any model, the accuracy of the output is driven by the quality of input data (sensitivity, specificity) and the processing mechanisms.

The current achievements were warmly received by industrial media corporations and scientist communities. At the same time several aspects related to trust, bias, liability, and regulations because of the high probability of spreading untrue and difficultly to be cross-checked output.

We take here the opportunity to warmly thank all the members of the GPTMB 2025 technical program committee, as well as all the reviewers. The creation of such a high quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated much of their time and effort to contribute to GPTMB 2025. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

We also thank the members of the GPTMB 2025 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope that GPTMB 2025 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the area of large language models. We also hope that Venice provided a pleasant environment during the conference and everyone saved some time to enjoy the historic charm of the city.

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