

The Third International Conference on Generative Pre-trained Transformer Models and Beyond

GPTMB 2026

July 05, 2026 to July 09, 2026 - Nice, France

- [Submit a Contribution](#)
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- [Camera Ready](#)

GPTMB 2026

Onsite and Online Options: In order to accommodate various situations, we are offering the option for either physical presence or virtual participation (pdf slides or pre-recorded videos).

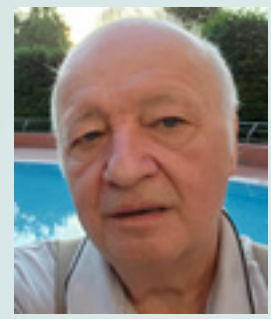
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- [DIGITAL 2026](#), Advances on Societal Digital Transformation
- [IoTAI 2026](#), The Third International Conference on IoT-AI
- [GPTMB 2026](#), The Third International Conference on Generative Pre-trained Transformer Models and Beyond
- [AIMEDIA 2026](#), The Second International Conference on AI-based Media Innovation

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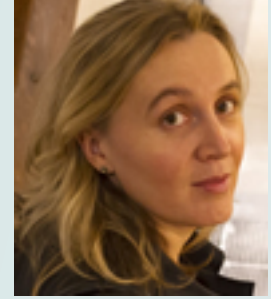
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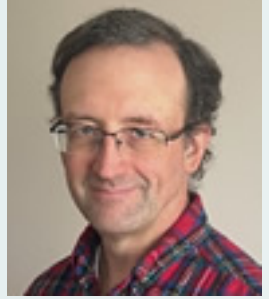
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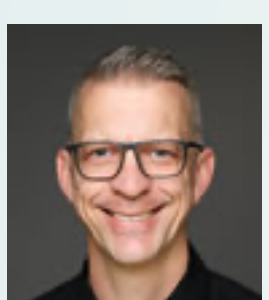
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Deadlines

Submission	Apr 03, 2026
Notification	May 04, 2026
Registration	May 17, 2026
Camera ready	May 31, 2026

Deadlines differ for special tracks. Please consult the conference home page for special tracks Call for Papers (if any).


Past Events

Sponsors




Publication

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GPTMB 2026 conference tracks:

Generative-AI basics

- Generative pre-trained transformer (GPT) models
- Transformer-based models and LLMs (Large Language Models)
- Combination of GPT models and Reinforcement learning models
- Creativity and originality in GPT-based tools
- Taxonomy of context-based LLM training
- Deep learning and LLMs
- Retrieval augmented generation (RAG) and fine-tuning LLMs
- LLM and Reinforcement Learning from Human Feedback (RLHF)
- LLMs (autoregressive, retrieval-augmented, autoencoding, reinforcement learning, etc.)
- Computational resources for LLM training and for LLM-based applications

LLMs

- Large Language Models (LLM) taxonomy
- Model characteristics (architecture, size, training data and duration)
- Building, training, and fine tuning LLMs
- Performance (accuracy, latency, scalability)
- Capabilities (content generation, translation, interactive)
- Domain (medical, legal, financial, education, etc.)
- Ethics and safeness (bias, fairness, filter, explainability)
- Legal (data privacy, data exfiltration, copyright, licensing)
- Challenges (integrations, mismatching, overfitting, underfitting, hallucinations, interpretability, bias mitigation, ethics)

LLM-based tools and applications

- Challenging requirements on basic actions and core principles
- Methods for optimized selection of model size and complexity
- Fine-tuning and personalization mechanisms
- Human interactions and actions alignment
- Multimodal input/output capabilities (text with visual, audio, and other data types)
- Adaptive learning or continuous learning (training optimization, context-awareness)
- Range of languages and dialects, including regional expansion
- Scalability, understandability, and explainability
- Tools for software development, planning, workflows, coding, etc.
- Applications on robotics, autonomous systems, and moving targets
- Cross-interdisciplinary applications (finance, healthcare, technology, etc.)
- Discovery and advanced scientific research applications
- Computational requirements and energy consumption
- Efficient techniques (quantization, pruning, etc.)
- Reliability and security of LLM-based applications
- Co-creation, open source, and global accessibility
- Ethical considerations (bias mitigation, fairness, responsibility)

Small-language models and tiny-language models

- Architecture and design principles specific to small language models
- Tiny language models for smartphones, IoT devices, edge devices, and embedded systems
- Tools for small languages models (DistilBERT, TinyBERT, MiniLM, etc.)
- Knowledge distillation, quantization, low latency, resource optimization
- Energy efficiency for FPGAs and specialized ASICs for model deployment
- Tiny language models for real-time translation apps and mobile-based chatbots
- Tiny languages and federated learning for privacy
- Small language models for vision for multimodal applications
- Hardware considerations (energy, quantization, pruning, etc.)
- Tiny language models and hardware accelerators (GPUs, TPUs, and ML-custom ASICs)

Critical Issues on Input Data

- Datasets: accuracy, granularity, precision, false/true negative/positive
- Visible vs invisible (private, personalized) data
- Data extrapolation
- Output biases and biased Datasets
- Sensitivity and specificity of Datasets
- Fake and incorrect information
- Volatile data
- Time sensitive data
- Critical Issues on Processing
- Process truthfulness
- Understability, Interpretability, and Explainability
- Detect biases and incorrectness
- Incorporate the interactive feedback
- Incorporate corrections
- Retrieval augmented generation (RAG) for LLM input
- RLHF for LLM fine-tuning output

Output quality

- Output biases and biased Datasets
- Sensitivity and specificity of Datasets
- Context-aware output
- Fine/Coarse text summarization
- Quality of Data pre-evaluation (obsolete, incomplete, fake, noisy, etc.)
- Validation of output
- Detect and explain hallucinations
- Detect biased and incorrect summarization before spreading it

Education and academic liability issues

- Curricula revision for embedding AI-based tools and methodologies
- User awareness on output trust-ability
- Copyright infringements rules
- Plagiarism and self-plagiarism tools
- Ownership infringement
- Mechanisms for reference verification
- Dealing with hidden self-references

Regulations and limitations

- Regulations (licensing, testing, compliance-threshold, decentralized/centralize innovations)
- Mitigate societal risks of GPT models
- Capturing emotion and sentience
- Lack of personalized (individual) memory and memories (past facts)
- Lack of instant personalized thinking (personalized summarization)
- Risk of GPTM-based decisions
- AI awareness
- AI-induced deskilling

Case studies with analysis and testing AI applications

- Lesson learned with existing tools (ChatGPT, Bard AI, ChatSonic, etc.)
- Predictive analytics in healthcare
- Medical Diagnostics
- Medical Imaging
- Pharmacology
- AI-based therapy
- AI-based finance
- AI-based planning
- AI-based decision
- AI-based systems control
- AI-based education
- AI-based cyber security

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