

| About the Conference

Topic Areas

This is a non-comprehensive list of topics of interest to CVML 2025.

1. Computer Vision and Imaging:

- 3D from multi-view and sensors
- 3D from single images
- Autonomous driving
- Biometrics
- Computational imaging
- Computer vision theory
- Efficient and scalable vision
- Explainable computer vision
- Humans: Face, body, pose, gesture, movement
- Image and video synthesis and generation
- Physics-based vision and shape-from-X
- Recognition: Categorization, detection, retrieval
- Scene analysis and understanding
- Segmentation, grouping, and shape analysis
- Video: Action and event understanding

2. Machine Learning Techniques:

- Adversarial attack and defense



Important Dates

FEB
21

CONFERENCE
DATE
**February
21-23,
2025**

- Deep learning architectures and techniques
- Machine learning (other than deep learning)
- Optimization methods (other than deep learning)
- Transfer/ low-shot/ continual/ long-tail learning
- Generative models
- Probabilistic methods (Bayesian methods, variational inference, sampling, UQ, etc.)
- Reinforcement learning
- Representation learning for computer vision, audio, language, and other modalities
- Metric learning, kernel learning, and sparse coding
- Learning on graphs and other geometries and topologies

3. Ethics, Privacy, and Integrative Techniques:

- Transparency, fairness, accountability, privacy, and ethics in vision
- Vision, language, and reasoning
- Self-& semi-& meta-& unsupervised learning
- Robotics

IMPORTANT DATES

- Full Paper Submission Due: December 31, 2024
 - Notification of Acceptance Due: Within one week after submission
 - Registration Deadline: January 20, 2025
 - Conference Date: February 21-23, 2025
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FULL PAPER SUBMISSION

If you wish to have your paper published in the conference proceedings, please submit the full paper through the CMT system (the link above):

<https://cmt3.research.microsoft.com/CVML2025>

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TOPICS OF INTEREST

3 topics

Research papers are invited in, but not limited to, the following areas:

Uncategorized

Robotics & automation

Artificial Intelligence & Machine Learning

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