

Title: International Conference on Learning Representations

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Categories: Category:Artificial intelligence conferences, Category:Computer conference stubs, Category:International conferences in Canada, Category:Signal processing conferences

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Supervised learning

Unsupervised learning

Semi-supervised learning

Self-supervised learning

Reinforcement learning

Meta-learning

Online learning

Batch learning

Curriculum learning

Rule-based learning

Neuro-symbolic AI

Neuromorphic engineering

Quantum machine learning

Classification

Generative modeling

Regression

Clustering

Dimensionality reduction

Density estimation

Anomaly detection

Data cleaning

AutoML

Association rules

Semantic analysis

Structured prediction

Feature engineering

Feature learning

Learning to rank

Grammar induction

Ontology learning

Multimodal learning

Apprenticeship learning

Decision trees

Ensembles Bagging Boosting Random forest

Bagging

Boosting

Random forest

k -NN

Linear regression

Naive Bayes

Artificial neural networks

Logistic regression

Perceptron

Relevance vector machine (RVM)

Support vector machine (SVM)

BIRCH

CURE

Hierarchical

k -means

Fuzzy

Expectation–maximization (EM)

DBSCAN

OPTICS

Mean shift

Factor analysis

CCA

ICA

LDA

NMF

PCA

PGD

t-SNE

SDL

Graphical models Bayes net Conditional random field Hidden Markov

Bayes net

Conditional random field

Hidden Markov

RANSAC

k -NN

Local outlier factor  
Isolation forest  
Autoencoder  
Deep learning  
Feedforward neural network  
Recurrent neural network LSTM GRU ESN reservoir computing  
LSTM  
GRU  
ESN  
reservoir computing  
Boltzmann machine Restricted  
Restricted  
GAN  
Diffusion model  
SOM  
Convolutional neural network U-Net LeNet AlexNet DeepDream  
U-Net  
LeNet  
AlexNet  
DeepDream  
Neural field Neural radiance field Physics-informed neural networks  
Neural radiance field  
Physics-informed neural networks  
Transformer Vision  
Vision  
Mamba  
Spiking neural network  
Memtransistor  
Electrochemical RAM (ECRAM)  
Q-learning  
Policy gradient  
SARSA  
Temporal difference (TD)  
Multi-agent Self-play  
Self-play  
Active learning  
Crowdsourcing  
Human-in-the-loop

Mechanistic interpretability

RLHF

Coefficient of determination

Confusion matrix

Learning curve

ROC curve

Kernel machines

Bias–variance tradeoff

Computational learning theory

Empirical risk minimization

Occam learning

PAC learning

Statistical learning

VC theory

Topological deep learning

AAAI

ECML PKDD

NeurIPS

ICML

ICLR

IJCAI

ML

JMLR

Glossary of artificial intelligence

List of datasets for machine-learning research List of datasets in computer vision and image processing

List of datasets in computer vision and image processing

Outline of machine learning

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The International Conference on Learning Representations ( ICLR ) is a machine learning conference typically held in late April or early May each year. Along with NeurIPS and ICML , it is one of the three primary conferences of high impact in machine learning and artificial intelligence research.

The conference includes invited talks as well as oral and poster presentations of refereed papers. Since its inception in 2013, ICLR has employed an open peer review process to referee paper submissions (based on models proposed by Yann LeCun ). In 2019, there were 1591 paper submissions, of which 500 accepted with poster presentations (31%) and 24 with oral presentations (1.5%). In 2021, there were 2997 paper submissions, of which 860 were accepted (29%). It was founded by LeCun and Yoshua Bengio in 2012.

Locations

ICLR 2026, Brazil

ICLR 2025, Singapore

ICLR 2024, Vienna , Austria

ICLR 2023, Kigali , Rwanda

ICLR 2022 (virtual conference)

ICLR 2021, Vienna , Austria (virtual conference)

ICLR 2020, Addis Ababa , Ethiopia (virtual conference)

ICLR 2019, New Orleans , Louisiana , United States

ICLR 2018, Vancouver , Canada

ICLR 2017, Toulon , France

ICLR 2016, San Juan , Puerto Rico , United States

ICLR 2015, San Diego , California , United States

ICLR 2014, Banff National Park , Canada

ICLR 2013, Scottsdale , Arizona , United States

See also

ICML

NeurIPS

AAAI Conference on Artificial Intelligence

References

External links

Official website

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e

Differentiable programming

Information geometry

Statistical manifold

Automatic differentiation

Neuromorphic computing

Pattern recognition

Ricci calculus

Computational learning theory

Inductive bias

IPU

TPU

VPU

Memristor

SpiNNaker

TensorFlow

PyTorch

Keras

scikit-learn

Theano

JAX

Flux.jl

MindSpore

Portals Computer programming Technology

Computer programming

Technology

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