



# ROADMAP ON AI TECHNOLOGIES & APPLICATIONS FOR THE MEDIA INDUSTRY

## LIST OF ACRONYMS



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## List of acronyms

List of acronyms used in AI4Media's Roadmap on AI technologies & applications for the Media Industry.

Acronym	Meaning
<b>2D</b>	Two-dimensional
<b>3D</b>	Three-dimensional
<b>5G</b>	5 <sup>th</sup> Generation mobile network
<b>AAAI</b>	Association for the Advancement of Artificial Intelligence
<b>AGI</b>	Artificial General Intelligence
<b>AI</b>	Artificial Intelligence
<b>AIIDE</b>	Artificial Intelligence and Interactive Digital Entertainment
<b>ALTAI</b>	Assessment List on Trustworthy Artificial Intelligence
<b>APD</b>	Automated Process Discovery
<b>API</b>	Application Programming Interface
<b>AR</b>	Augmented Reality
<b>ASR</b>	Automatic Speech Recognition
<b>AU</b>	Action Unit
<b>AVC</b>	Advanced Video Coding
<b>A/V</b>	Audio/Video
<b>BATX</b>	Baidu-Alibaba-Tencent-Xiaomi
<b>BERT</b>	Bidirectional Encoder Representations from Transformers
<b>BMK</b>	Austrian Federal Ministry for Climate Protection, Environment, Energy, Mobility, Innovation and Technology
<b>CAGR</b>	Compound Annual Growth Rate
<b>CAHAI</b>	Ad hoc Committee on Artificial Intelligence
<b>CBN</b>	Causal Bayesian Networks
<b>CCC</b>	Computing Community Consortium
<b>CEO</b>	Chief Executive Officer
<b>CG</b>	Content Generation
<b>CGI</b>	Computer Generated Imagery
<b>CLARIN</b>	Common Language Resources and Technology Infrastructure
<b>CMOS</b>	Complementary Metal Oxide Semiconductor
<b>CMU-MOSEI</b>	CMU Multimodal Opinion Sentiment and Emotion Intensity dataset
<b>CNN</b>	Convolutional Neural Network
<b>CO<sub>2</sub></b>	Carbon Dioxide
<b>CoE</b>	Council of Europe
<b>CompCI</b>	Computational Causal Inference
<b>DARIAH</b>	Digital Research Infrastructure for the Arts and Humanities
<b>DH</b>	Digital Humanities
<b>DL</b>	Deep Learning
<b>DM</b>	Data Management
<b>DNI</b>	Google's Digital News Innovation Fund
<b>DNN</b>	Deep Neural Network
<b>DNS</b>	Domain Name System

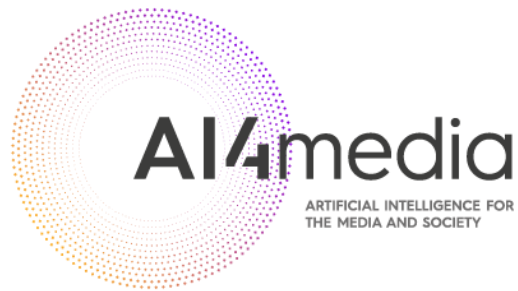


Acronym	Meaning
<b>DOSN</b>	Decentralised Online Social Network
<b>DP</b>	Differential Privacy
<b>DPIA</b>	Data Protection Impact Assessment
<b>DPSGD</b>	Differentially Private Stochastic Gradient Descent
<b>DSA</b>	Digital Services Act
<b>DSM</b>	Digital Surface Model
<b>EaaS</b>	Evaluation as a Service
<b>EBU</b>	European Broadcasting Union
<b>EC</b>	European Commission
<b>ELSA</b>	Ethical Legal and Societal Aspects
<b>EP</b>	European Parliament
<b>E-RIS</b>	European Research Infrastructure for Heritage Science
<b>ESG</b>	Environmental, Social, and Governance
<b>EU</b>	European Union
<b>FJP</b>	Facebook Journalism Initiative
<b>FL</b>	Federated Learning
<b>fMRI</b>	functional Magnetic Resonance Imaging
<b>FoV</b>	Field of View
<b>FPS</b>	First-Person Shooter game
<b>GAFAM</b>	Google-Amazon-Facebook-Apple-Microsoft
<b>GAN</b>	Generative Adversarial Network
<b>GDP</b>	Gross Domestic Product
<b>GDPR</b>	General Data Protection Regulation
<b>GNI</b>	Google's News Initiative
<b>GNN</b>	Graph Neural Network
<b>GPT-3, GPT-4</b>	Generative Pre-trained Transformer 3/4
<b>GPU</b>	Graphics Processing Unit
<b>HD</b>	High Definition
<b>HE</b>	Homomorphic Encryption
<b>HLEG</b>	High-Level Expert Group
<b>HMD</b>	Head-Mounted Display
<b>HPC</b>	High-Performance Computing
<b>HR</b>	Human Resources
<b>HRIA</b>	Human Rights Impact Assessment
<b>ICT</b>	Information Communication Technology
<b>IEEE</b>	Institute of Electrical and Electronics Engineers
<b>IEMOCAP</b>	Interactive Emotional Dyadic Motion Capture database
<b>IL</b>	Imitation Learning
<b>ILSVRC</b>	ImageNet Large Scale Visual Recognition Challenge
<b>IMCO</b>	Internal Market and Consumer Protection
<b>IoT</b>	Internet of Things
<b>IP</b>	Intellectual Property
<b>IP</b>	Internet Protocol
<b>IPR</b>	Intellectual Property Right
<b>IT</b>	Information Technology

Acronym	Meaning
<b>JSON</b>	JavaScript Object Notation
<b>LIBE</b>	EU Committee on Civil Liberties, Justice and Home Affairs
<b>LIME</b>	Local Interpretable Model-agnostic Explanations
<b>MEG</b>	MagnetoEncephaloGraphy
<b>MEP</b>	Member of the European Parliament
<b>MIDI</b>	Musical Instrument Digital Interface
<b>MJP</b>	Meta Journalism Project
<b>ML</b>	Machine Learning
<b>MLP</b>	Multi-Layer Perceptron
<b>MPEG</b>	Moving Picture Experts Group
<b>MR</b>	Mixed Reality
<b>Mt</b>	Metric tone
<b>MXF</b>	Material Exchange Format
<b>NER</b>	Named Entity Recognition
<b>NeRF</b>	Neural Radiance Fields
<b>NGO</b>	Non-Governmental Organisation
<b>NISQ</b>	Noisy Intermediate-Scale Quantum
<b>NLP</b>	Natural Language Processing
<b>NPC</b>	Non Playable Character
<b>OA</b>	Open Access
<b>OCR</b>	Optical Character Recognition
<b>OSCE</b>	Organisation for Security and Co-operation in Europe
<b>p2p</b>	peer-to-peer
<b>PATE</b>	Private Aggregation of Teacher Ensembles
<b>PC</b>	Personal Computer
<b>PCG</b>	Procedural Content Generation
<b>PoC</b>	Proof of Concept
<b>PPAI</b>	Privacy-Preserving AI
<b>PR</b>	Public Relations
<b>PSM</b>	Public Service Media
<b>QA</b>	Quality Assurance
<b>RL</b>	Reinforcement Learning
<b>RNN</b>	Recurrent Neural Networks
<b>ROI</b>	Return On Investment
<b>RQC</b>	Random Quantum Circuit
<b>#SAIFE</b>	Spotlight on Artificial Intelligence and Freedom of Expression
<b>SEM</b>	Structural Equation Modelling
<b>SMPC</b>	Secure Multiparty Computation
<b>SSH</b>	Social Sciences and Humanities
<b>SSL</b>	Self-Supervised Learning
<b>TMT</b>	Technology, Media & Telecommunications
<b>TPU</b>	Tensor Processing Unit
<b>TRL</b>	Technology Readiness Level
<b>UDA</b>	Unsupervised Domain Adaptation
<b>UGC</b>	User Generated Content

Acronym	Meaning
UK	United Kingdom
UMLS	Unified Medical Language System
UN	United Nations
URL	Uniform Resource Locator
US	United States
USD	United States Dollar
VAD	Valence-Arousal-Dominance
VAE	Variational AutoEncoder
VFX	Visual effects
VLOP	Very Large Online Platform
VQA	Visual Question Answering
VR	Virtual Reality
VSP	Video Sharing Platform
WP	Work Package
XAI	eXplainable Artificial Intelligence
XML	Extensible Markup Language
XR	Extended Reality





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