1st Workshop on New Trends in

AI-Generated Media and Security

(AIMS) @AVSS2024

Niagara Falls, Canada

July 16, 2024 (collocated with AVSS 2024 and ICME 2024)

https://xianhjiang.github.io/AIMS-24

Introduction

Welcome to the "1st Workshop on New Trends in AI-Generated Media and Security (AIMS 2024)." This pioneering event brings together experts, researchers, and enthusiasts from diverse fields to explore the latest advancements and challenges in the world of AI-generated media. As AI continues to revolutionize media creation, its implications for security, ethics, and technology are profound and far-reaching.

In this workshop, we delve into the cutting-edge of AI-generated content, encompassing deepfakes, synthetic media, and beyond. Our sessions will cover a range of topics, from the technical aspects of AI media generation and detection to the ethical and societal implications of this rapidly evolving technology.

This event serves as a platform for sharing knowledge, fostering collaborations, and sparking discussions that will shape the future of AI in media and its impact on society. We look forward to engaging debates, insightful presentations, and groundbreaking ideas that will emerge from this gathering. Let's embark on this journey to navigate and shape the future of AI-generated media and security together. This year AIMS is collocated with IEEE International Conference on Advanced Video and Signal-Based Surveillance (AVSS) and IEEE International Conference on Multimedia & Expo (ICME).

Import dates

Paper submission Deadline
April 18, 2024 (Pacific Time)

Notification of Acceptance
May 8, 2024 (Pacific Time)

Camera-ready Deadline
May 18, 2024 (Pacific Time)

Workshop date
July 16, 2024 (Pacific Time)

Topics

AI-Generated Media
- Foundation Models in Multimedia
- Decentralized Foundation Models from SmalData
- Diffusion Models in Multimedia
- Large MultimodaModels (Agents) in Multimedia
- Media Generation with Large Language Models
- Causaand Mechanistic Explanations of Large Language Models
- Visuaand Vision-Language Pre-training
- AI Reasoning
- AI for SociaMedia

Media Security
- Fake News/Media Detection
- Media Forensics and Anti-Forensics
- AdversariaAttack and Defense in AI-generated Media
- Deepfakes/Misinformation/Disinformation
- Media/DNN Watermarking
- AI Reliability (e.g., Explainable, Robustness, Fairness, Generalization) for Multimedia Applications and Systems
- The Security of Large AI Models
- Authenticity in human - AI Generated Content
- Responsible AI (e.g., Safety, Privacy, Accountability, Transparency) for Multimedia

Chairs

Organization Committee

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Xin Wang (SUNY Albany)

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