5th Advances in Image Manipulation
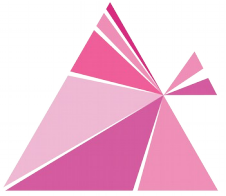
Workshop and 8 Associated Challenges

Prof. Dr. Radu Timofte
- on behalf of AIM organizers
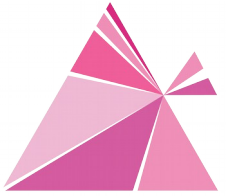
https://cvlai.net/aim/2024/

Use AIM 2024 page for schedule, info, updates:

https://cvlai.net/aim/2024

Organizers

Radu Timofte, University of Wurzburg

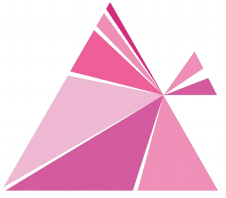Andrey Ignatov, ETH Zurich & AI Witchlabs

Marcos V. Conde, University of Wurzburg

Dmitriy Vatolin, Moscow State University

Eduardo Pérez-Pellitero, Noah's Ark Lab London

+ tens of co-organizers and helpers in 8 associated challenges

AIM 2024 in Numbers

5th Edition

5 Main Organizers

25 Challenge Organizers

65 PC Members

101 Reviewers

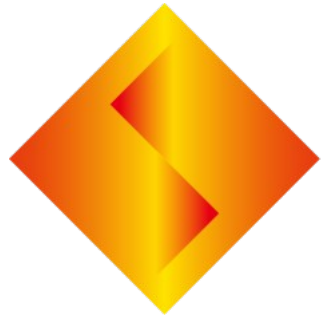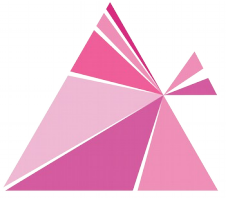47 Accepted Papers

14 Oral presentations

8 Associated Challenges

1000+ Registered Participants in challenges

23+ Award Certificates
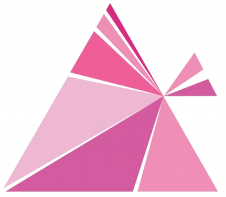
1 Invited Talk

Main Sponsors

Sony Interactive Entertainment

REALITY LABS

HUAWEI

Many Thanks!!

Julius-Maximilians- UNIVERSITÄT WÜRZBURG CVL

KUAISHOU

Associated Challenges

Efficient Video Super-Resolution

Depth Upsampling

Raw Burst Alignment

Sparse Neural Rendering - Track 1 - 3 views

Sparse Neural Rendering - Track 2 - 9 views

Video Saliency Prediction
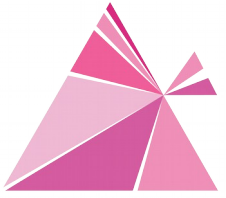
Video Super-Resolution Quality Assessment

Compressed Video Quality Assessment

Pushing the Boundaries of Blind Photo Quality Assessment

Almost all challenges on CodaLab platform
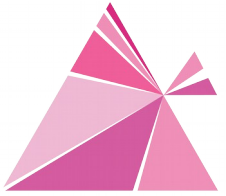1000+ participants, 40+ teams competed in the final test phase

Associated Challenges

Reproducibility:

- Reproducibility of result is key

- Winners checked for reproducibility

- All the ranked teams submitted both source codes and factsheets

- Focus on real world scenarios

Awards Certificates

- For Top Ranking Teams

- Money or product prizes for winners, and (sometimes) runner-ups, 2nd and 3rd place awards

  (these teams will be contacted by emails)

- Certificates

  (will be posted on the AIM 2024 webpage)
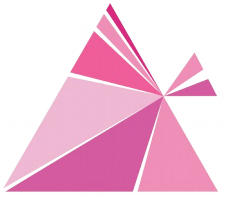
Congrats !!

Accepted Papers

- All accepted papers have poster or oral presentation

-   [13:30 UTC] 15:30-16:30, Amber 1 room and Gold Foyer

- The posters should be presented during poster session

- There are no poster board ID allocation: pick any

- The challenge reports and top solutions, selected papers have oral presentations

Invited Speaker

Dr. Yawei Li
(ETH Zurich)

16:30 "On Compression and Design of Foundation Models"

Upcoming

- 10th New Trends in Image Restoration and Enhancement (NTIRE)

  workshop and challenges, at CVPR 2025, https://www.cvlai.net/ntire/2024/

- 2nd Vision, Graphics and AI for Streaming (AIS)

  workshop and challenges, at CVPR 2025, https://ai4streaming-workshop.github.io/

- 6th Mobile AI (MAI)

  workshop, at CVPR 2025, https://ai-benchmark.com/workshops/mai/2024/

- 6th Advances in Image Manipulation (AIM)

  workshop and challenges, at ICCV 2025, https://www.cvlai.net/aim/2024/
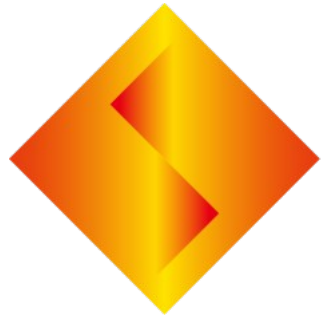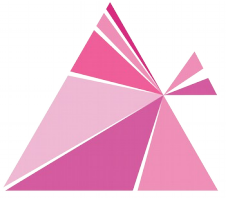
Stay Tuned !!

Open Positions

Open positions for PhD students and PostDocs on topics such as:

- deep learning

- computational photography

- domain translation

- learned image/video compression

- image/video super-resolution

- learning paradigms

- 3D

- image/video understanding

- augmented and mixed reality

- edge inference and mobile AI

- multimodal systems

Send your queries and applications to **Prof. Dr. Radu Timofte**:
radu.timofte@uni-wuerzburg.de
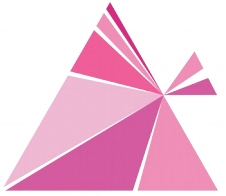
Join Us!!

Main Sponsors

Many Thanks!!

Challenges Reports

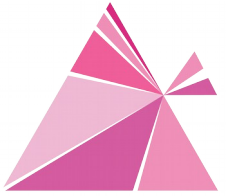# Poster Session
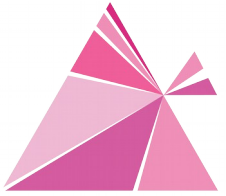
15:30-16:30
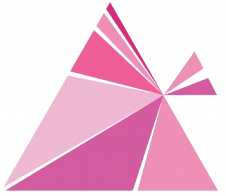
Oral presentations resume at 16:30

Challenges Reports

Challenges Reports

Challenges Reports