



Workshop on Synthetic Multimedia – Audiovisual Deepfake Generation and Detection

Call for Papers

The development of powerful deep learning technologies has also brought about some negative effects. One such issue is the emergence of deepfakes. While most work has focused on fake images and video alone, the multi-modal, audiovisual aspect is very important to both convincing generation and accurate detection of fake multimedia content.

In addition to developing accurate and robust detection models, it is worthwhile to explore fake media generation methods as well. Content generation has many meaningful and beneficial applications, such as commercial ads, education, privacy protection, etc. Therefore, fake media generation constitutes an integral component of the proposed workshop.

The purpose of the workshop is to provide a platform for researchers and engineers to share their ideas and approaches, and give some insights on fake media generation and detection to both academia and industry.

We invite submissions on a range of AI technologies and applications for synthetic media and media forensics. Topics of interest include but are not limited to the following:

- Fake image/video generation and/or detection
- Fake voice generation and/or detection
- Audiovisual Deepfakes and adversarial attacks
- Audiovisual Deepfakes and Fairness and Ethics
- Audiovisual Deepfakes and Data augmentation
- Audiovisual Deepfake datasets

Submission Guidelines

Submissions should follow the ACM Multimedia 2021 format and comprise 6-8 pages, with up to two additional pages for references.

Important Dates

- Paper submission deadline: 10th August 2021
- Notification of acceptance: 26th August 2021
- Camera-ready paper: 2nd September 2021

Organizers

- Assoc Prof Stefan Winkler, National University of Singapore
- Dr Weiling Chen, National University of Singapore
- Dr Abhinav Dhall, Monash University, Australia, and IIT Ropar, India
- Dr Pavel Korshunov, Idiap Research Institute, Switzerland

Contact

More detailed information is available at the workshop website: <https://adgd2021.aisingapore.org/>

The organizers can be reached via adgd2021@aisingapore.org