Fairness of AI

**Aim:** To mitigate performance differential of various AI based systems

- Facial Analysis based Systems
- Natural Disaster Assessment Models

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Biometric-based Person Identification

- Audio-Visual DeepFake Detection
  - **Input:** Frame Sequence, Audio Sequence
  - **Representations:** Invariant, Specific Space
  - **Output:** Real, Fake/Real

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On-device AI

- Neural network compression

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Medical Vision

- ECG-based Arrythmia Classification
- Health Cues from Facial Images

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Drone Imagery

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