



In conjunction with
ACM MobiCom 2019

Workshop on Hot Topics in Video Analytics and Intelligent Edges

ABOUT

Cameras are everywhere! We are all living in the golden era for computer vision and AI that is being fueled by game-changing systemic infrastructure advancements, breakthroughs in machine learning, and copious training data. Live video analytics has the potential to impact a wide range of verticals ranging from public safety, traffic efficiency, infrastructure planning, entertainment, and home safety.

Analyzing live video streams is arguably the most challenging of domains for “systems-for-AI”, and has a symbiotic relationship with edge compute infrastructure. All aspects of video analytics call to be designed “green-field”, from vision algorithms, to the systems processing stack and networking links, and hybrid edge-cloud infrastructure.

TOPICS OF INTEREST

- Low-cost video analytics
- Deployment experience with large array of cameras
- Storage of video data and metadata
- Interactive querying of video streams
- Network design for video streams
- Hybrid cloud architectures for video processing
- Training of vision neural networks
- Energy-efficient system design for video analytics
- Intelligent camera designs
- Vehicular and drone-based video analytics
- Tools and datasets for video analytics systems
- Video analytics for social good
- Secure and privacy-preserving video analytics

IMPORTANT DATES

Paper Submissions Deadline: June 21, 2019

Acceptance Notification: July 26, 2019

PROGRAM COMMITTEE

Ganesh Ananthanarayanan, Microsoft (co-chair)
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