



In conjunction with
ACM SIGCOMM 2020

Second Workshop on Hot Topics in Video Analytics and Intelligent Edges

ABOUT

We are all living in the golden era for computer vision and AI that is being fueled by game-changing systemic & ML breakthroughs. Live video analytics has the potential to impact a wide range of verticals ranging from public safety, 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 present opportunities to be designed "green-field", starting from vision algorithms, to the systems processing stack and networking links, and hybrid edge-cloud execution.

TOPICS OF INTEREST

- Low-cost video analytics
- Deployment experience with 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
- Scheduling for multi-tenant video processing
- Training of vision neural networks
- Edge-based processor architectures for video processing
- Energy-efficient system design for video analytics
- Intelligent camera designs
- Vehicular and drone-based video analytics
- Tools and datasets for video analytics systems
- Novel vision applications
- Video analytics for social good
- Secure processing of video analytics
- Privacy-preserving techniques for video processing

IMPORTANT DATES

Paper Submissions Deadline: May 1, 2020

Acceptance Notification: May 31, 2020

Check out <http://aka.ms/hotedgevideo19> for details on the first edition of the workshop co-located with MobiCom 2019