ACM MoVid 2012
4th ACM Workshop on Mobile Video
part of ACM Multimedia Systems Conference

February 24, 2012. Chapel Hill, North Carolina.

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http://www.eecs.ucf.edu/movid

In the last few years, there has been a tremendous increase in mobile video content generation and delivery. This trend has forced the service providers to understand the limitations of the current wired and wireless networks (Internet, WiFi, 3G/4G cellular) and bring new technologies for delivering the video content to the end-user. Last mile access technologies play a crucial role in determining the overall performance and end-user experience of multimodal applications; diverse approaches and technologies (WiMAX, LTE) have recently gained momentum to address this issue. Moreover, offering high quality mobile video services on resource-constrained and heterogeneous mobile devices with varying display sizes, processing powers, network conditions, and battery levels opens up many new challenges.

Recent developments such as social media production, multimodal sensing and context technologies, will have an impact on mobile video applications. In fact, supporting a broad spectrum of video-centric applications such as live video streaming, VoD, video games and virtual environments (e.g., Second Life), multimedia conferencing and telepresence, surveillance, sensing and social media on mobile devices *demands* application-specific techniques that adapt to the underlying network and device architectures.

The focus of this workshop is to present and discuss recent advances in the broad area of mobile video services. The workshop will have the goal of understanding the research and deployment challenges in building the Next Generation Mobile Video services. Specifically, the workshop intends to address the following topics: a) Novel mobile video applications and architectures; (b) Research challenges in developing new techniques for providing rich video experience on wireless mobile devices; (c) New visions and concepts to support high quality video services on heterogeneous mobile devices and network conditions; and (d) Deployment challenges of new and scalable mobile video services. The workshop will provide an interesting venue to discuss widely varying beliefs and understanding being formed among the academic and industrial communities in terms of how next generation mobile video services should be delivered to end-users.

ACM MoVid 2012 solicits original and unpublished research achievements in various aspects of mobile video services, including, but not limit to, the following topics:

- Mobile video services and applications
- Video-on-demand technologies
- Video streaming over 3G/4G, LTE, WiFi, WiMax
- Peer-to-peer video and audio
- Distributed video coding
- Adaptive media coding & transport
- Middleware support for mobile multimedia
- Cross-layer architectures and technologies for mobile video
- Wireless 3D video game streaming
- Video sensing and ubiquitous video

- Video-based health monitoring, surveillance
- Video in social media and social network applications
- Contextual video capture and delivery
- Quality of experience metrics for video
- Performance studies: real-time video QoS measurements, subjective video quality assessments
- Video streaming over multiple heterogeneous networks
- Opportunistic device-to-device video delivery

SUBMISSION INSTRUCTIONS:

Submissions to ACM MoVid 2012 must include new, unpublished, original research. Papers containing substantially similar materials may not be submitted to other venues concurrently with ACM MoVid 2012. All submissions will be handled electronically. Paper submissions must be limited to 6 pages, and formatted in strict accordance with ACM proceedings style. Paper submissions showing promising preliminary results may be accepted as posters. ACM MoVid 2012 also accepts work-in-progress poster submissions with a limit of 2 pages. Accepted papers and posters will be published in the workshop proceedings together with the proceedings of the ACM Multimedia Systems conference and will appear in the ACM Digital Library.

IMPORTANT DATES:

Paper/poster submission	October 20, 2011
Acceptance notification	December 1, 2011
Camera ready papers due	December 15, 2011
Workshop	February 24, 2012