

**Review Form: 1st International Workshop on
Services and Infrastructure for the Ubiquitous and Mobile Internet (SIUMI'05)**



SIUMI 2005

WEB MINDS

Columbus, Ohio,
USA, June 6th, 2005

In conjunction with the 25th Int. Conference on Distributed Computing Systems (**ICDCS'05**)

Paper Number: 5

Paper Title: A user-driven Adaptation strategy for Mobile Video Streaming Applications

Authors: Cotroneo, Paolillo, Pirro, Russo

Reviewer1:

Familiarity Rate your familiarity with the topic	1	2X	3	4	
	Novice	Some knowledge	Familiar	Expert	
Significance Technical relevance and practicality of ideas in the paper	1	2X	3		
	Not significant	Somewhat significant	Highly significant		
Novelty How original the problem and/or solution method is	1	2X	3		
	Not novel	Somewhat novel	Highly novel		
Quality of Presentation Writing and presentation style/accuracy	1	2X	3		
	Poorly written	Could be improved	Well written		
Overall Recommendation	1	2	3	4X	5
	Strong reject	Weak reject	Weak accept	Accept	Strong accept

Contributions

This paper proposes a video adaptation strategy for real-time multimedia applications. The authors utilize a novel spatial reduction that is suitable for all applications that must deliver the best video quality for a limited region of the frame.

The project seems at a preliminary stage, but the topic is important and of interest for the SIUMI workshop.

As I'm not an expert in this field, it is difficult to evaluate the real novelty of the contribution. In particular, it is unclear whether the authors are proposing and implementing their own adaptation algorithm or they are implementing and integrating some known software, and test it in a new context. This aspect should be clarified.

Strengths and weaknesses

I'm in favor of accepting this paper because the topic is important by itself and for the workshop, and the preliminary experimental results are promising.

However, the authors should clarify the real advancement of their proposal with respect to the literature.

Detailed public comments

Besides the previous comments, the paper would benefit of a performance/quality comparison against other techniques.

Reviewer2:

Familiarity Rate your familiarity with the topic	1	2X		3X		4
	Novice	Some knowledge		Familiar		Expert
Significance Technical relevance and practicality of ideas in the paper	1		2X		3	
	Not significant		Somewhat significant		Highly significant	
Novelty How original the problem and/or solution method is	1		2X		3	
	Not novel		Somewhat novel		Highly novel	
Quality of Presentation Writing and presentation style/accuracy	1		2		3X	
	Poorly written		Could be improved		Well written	
Overall Recommendation	1	2	3	4X		5
	Strong reject	Weak reject	Weak accept	Accept		Strong accept

Contributions

New Video streaming adaptation for scenes with priorities

Strengths and weaknesses

Well written, needs explanation, how the approach relates to MPEG4 and single object encoding/prioritizing

Detailed public comments

Could you position your work in face of related work?

Explain how the approach relates to MPEG4 and single object encoding/prioritizing

Give reasonable examples for the application of your approach.

I personally don't believe that end users will be happy with it, but may be professionals needing to investigate specific details of, e.g. a crashed car.