

Automatic Mobile Video Director

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Abstract—The abstract goes here.

Index Terms—Mobile video, decision making, crowd sourcing, client-server.

1 INTRODUCTION

THIS demo file is intended to serve as a “starter file” for IEEE Computer Society journal papers produced under L^AT_EX using IEEEtran.cls version 1.8 and later. I wish you the best of success.

1.1 Subsection Heading Here

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2 RELATED WORK

Describe articles and how our work differs from theirs. Throw in some references [1] so bibliography does not look empty. [2]

3 IMPLEMENTATION DETAILS

3.1 Protocol description

Our Automatic Mobile Video Director server implementation provides a general interface to applications which wish to interact with it. It is implemented through HTTP requests to certain server locations result.

GET /events
 Lists all events (including videos) in JSON.

GET /event/*id*
 Returns Event (including videos) in JSON.

POST /event/new
 Create new event from JSON. Expects request body to be a JSON string containing attribute *name*.

POST /event/*id*
 Upload JSON metadata about a video for Event with given *id*.

PUT /event/*id*/*video_id*
 Upload video *video_id* from Event *id*. Expects request body to be a file stream containing a full video file.

GET /selected
 Retrieve a list of selected but not yet uploaded videos in JSON.

GET /event/*id*/*video_id*
 Retrieve video *video_id* from Event *id*.

3.2 Metadata description

Metadata is transferred in JSON format.

id
 Client-side unique identification of the video.

filename
 File name in client’s local file system.

| | |
|------------|---|
| timestamp | Video creation time. |
| duration | Video duration in frames. |
| resolution | Video frame resolution in pixels. |
| shaking | Amount of shaking detected by sensors. |
| status | Video status. Indicates video life cycle phase. |
| serverId | Server-side unique identification of the video. Needed for coordination of all clients. |

4 FUTURE WORK

Put down all the awesome ideas we have.

5 CONCLUSION

The conclusion goes here.

REFERENCES

- [1] P. Shrestha, P. H. de With, H. Weda, M. Barbieri, and E. H. Aarts, "Automatic mashup generation from multiple-camera concert recordings," in *Proceedings of the International Conference on Multimedia*, ser. MM '10. New York, NY, USA: ACM, 2010, pp. 541–550. [Online]. Available: <http://doi.acm.org/10.1145/1873951.1874023>
- [2] P. Seshadri, M. Chan, W. Ooi, and J. Chiam, "On demand retrieval of CrowdSourced mobile video," *IEEE Sensors Journal*, vol. Early Access Online, 2014.