Scalable LiDAR-assisted Multiple Endmember Spectral Mixture Analysis

Authors Name/s per 1st Affiliation (Author)
line 1 (of Affiliation): dept. name of organization
line 2: name of organization, acronyms acceptable
line 3: City, Country
line 4: Email: name@xyz.com

Authors Name/s per 2nd Affiliation (Author)
line 1 (of Affiliation): dept. name of organization
line 2: name of organization, acronyms acceptable
line 3: City, Country
line 4: Email: name@xyz.com

***Abstract*—As remote sensing takes momentum for monitoring ecological data, we have to deal with loads of high precision, high dimensional data, the processing of which is beyond any conventional computer. In this paper we introduce a scalable architecture for computing Multiple Endmember Spectral Mixture Analysis facilitating LiDAR canopy height information. We propose to use SciDB for storing hyperspectral and LiDAR data as a parallel array data-store, and the computation engine will be performed by in-memory map-reduce using Spark. This architecture enables the use of multiple conventional computation engines and allows us to process data on-demand.**

***Keywords*-component; formatting; style; styling;**

I. Introduction

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III. Conclusion

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Acknowledgment

The authors would like to thank... more thanks here

References

[1] H. Kopka and P. W. Daly, *A Guide to LaTeX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.