**WILDLAND FIRE MODELING USING CONVOLUTIONAL NEURAL NETWORKS**

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**ABSTRACT**

Here goes the abstract

**INTRODUCTION**

Here goes the introduction.

Talk about current state of the art.

Talk about current applications of machine learning to wildland fire spread.

Talk about what makes this really cool.

**METHODS**

Method introduction

**Convolutional Neural Networks**

Description goes here.

**Network Architecture**

Description goes here.

**Physics based Wildland Fire Prediction**

Description goes here.

**RESULTS**

Cool pictures go here.

**DISCUSSION**

Talk about what the results show us and why the readers should care.

**CONCLUSION**

Summarize impact of the work.

**ACKNOWLEDGEMENTS**

Ask Brian if we need to acknowledge Jensen Hughes.

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