

# Research Report

Thursday 10/24/2013

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# review of the issues to solve/What I needed to do

- **IMPACT 2014 workshop** on polyhedral compilation techniques **due** on 10/25/2013  
AoE, needed to 1) finish related work and conclusion part 2) collaborate with John and Allan with the draft
- Not sure whether to include not-so-good Lulesh results to impact 2014 paper
- Manual implementation of cardiac code (for **Plos ONE submission**) has too much thread wait for OpenMP implementation

# progress on Impact Workshop 2014

- Finished related work and conclusion before last Tuesday
- Worked with Allan improving the draft on Tuesday, Wednesday, and Today
- Thought that we better include lulesh results, even though it didn't get speedups. (at least it can support Time-Energy Correlation)
- Need to go through the draft and get it submitted before Sunday 8AM!

# progress on lulesh

- Generated and ran 200 program variants with 100 maxfuse + 100 smart fuse (with different tiling size)
- Need to collect the results and add the resulting graph to the draft

# progress on Plos ONE

- No progress from Monday
- Will dedicate next week to Plos ONE and aim to submit it before November.

# The plan

- Short: submit the draft to Impact 2014
- Medium: submit plos one by November
  - This needs making the cardiac code more efficient
- Long: think about what should I do to extend the current impact 2014 draft to aim for a CONFERENCE paper and for my proposal....!!??