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December 8, 2012

Editors
Innovations in Systems and Software Engineering

Dear Sirs:

We would like to thank the reviewers for their comments and the opportunity to improve both the presentation and content of our paper. In response, we have made a number of revisions. Our response to each of the reviewers comment are given below.

Responses to Requested Revisions

Requested Revision Discuss the notation for external variables in more detail.

Response Several sentences were added providing more detail.

Requested Revision Provide more detail on variable sharing.

Response TBD

Requested Revision Include further discussion on eDSL efficiency.

Response TBD

Requested Revision Give explanation of Haskell syntax.

Response Text has been added throughout to explain Haskell syntax that may be unfamiliar to some programmers, but there is a general assumption that the reader understands the style of programming in modern typed functional programming languages such as ML, OCAML, Haskell, Clean, etc. as some exposure to this style of programming is now included in most graduate CS programs.

Requested Revision For the definition of observer, why single quotes on one example and double quoted on another.

Response Corrected to be double quoted on both examples.

Requested Revision Add comments to code in the section on examples.

Response TBD

Requested Revision Correct misspellings on pages 13 and 18 and capitalized Boyer-More for reference 15.

Response Done.

Requested Revision Add figure to the paper to show the flow of the toolchain and better illustrate structure of the paper.

Response A new introduction to the toolchain section has been added including a figure. We believe this makes the section easier to read.

Requested Revision Assume/Guarantees of the methods should be highlighted. What can be claimed about the generated code?

Response Text was added briefly discussing this, but this is the main topic of a recent ICFP paper and we included a reference.

Requested Revision Discuss scheduling solutions more thoroughly.

Response A paragraph added to the future work section includes a discussion of future work planned in scheduling aimed at the

Requested Revision Add more related work on eDSL and compare our work to their approach.

Response TBD

Requested Revision Discuss the assurance on the generated monitors.

Response Added a paragraph to future work section that discusses the issues related to 178 as well as other approaches to assurance as suggested by Reviewer 3.

Requested Revision 3.2 Time-Triggered should become Time Triggered

Response AEG to LP I think we were right there

Requested Revision Engine is not shut off – engine is shut off

Response AEG to LP I think we were right there

Requested Revision WCET is more complicated than just nominal execution time.

Response AEG to LP I not sure how we want to answer that

Requested Revision Add performance and timing comparisons for the case studies.

Response TBD AEG I think we have decided not to do this?

Requested Revision Fix captions on plots.

Response TBD

Requested Revision Discuss the system integration issues relating to "bolt-ing on" fault tolerance using the monitors.

Response TBD

Requested Revision

Response

Requested Revision

Response

Requested Revision

Response

Requested Revision

Response

Requested Revision

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Requested Revision

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Response

Requested Revision

Response

Requested Revision LaTeX hbox overflows and generally overflowing column limits.

Response TBD (Mostly fixed now but we need to get them all or the publisher gets mad)

Sincerely,

Lee Pike