Lightning talks (poster quick presentations) + Concluding remarks and discussions

January 19, 2015
IMPACT'15, Amsterdam

Lightning talks (poster presentations)

M. Kong Compiler/runtime framework for dynamic dataflow parallelization of tiled programs.

P. Sadayappan Towards automated characterization of the data movement complexity of affine programs.

L.-N. Pouchet Task coarsening through polyhedral compilation for a macro-dataflow programming model.

S. Rajopadhye Parallelizing stencils automatically for energy.

D. Wonnacott Influence of array storage and access methods on perf. of multi-dim. arrays used in programs with high cache reuse.

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A. Klimov (could not make it) Yet Another Way of Building Exact Polyhedral Model for Weakly Dynamic Affine Programs.
☛ Helped by D. Wonnacott: see arxiv.org/abs/1501.03839.

Some announcements/reminders

- Some news on Polybench, new version (Tomofumi Yuki).
- Dissemination: mailing lists, web page, spring school(s).
- Any other? Feel free to come.

IMPACT'15 review process

- Some numbers and details on the process.
- Some thoughts for the future.

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Mailing list for announcements polyhedral-news@ens-lyon.fr

☛ For workshops, new tools, job offers, PhD defenses, etc. related to the polyhedral community. Very little traffic.

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☛ To find the right references, to better understand an earlier paper, to ask a dummy question, to create a discussion related to the polyhedral community, etc. No traffic at all!

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Spring schools

- Most videos are available for 2013 Spring School, see the web page labexcompilation.ens-lyon.fr/polyhedral-school/videos.
- Second Spring School in 2016? Tiling. HLS? GPU? Going in/out of the polyhedral world (how to face the real world)?

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☛ IMPACT is growing fast. Should we:
- Use more modern automated reviewing tools? EasyChair?
- Stop shepherding? Be less demanding? Accept its expansion w/o complete control? ☛ Issue related to "history" and "style".
- Transform IMPACT into a workshop with formal proceedings? Or don't put papers on the web? Or publish reviews?
- Keep poster session?

In any case, forbid double submission & already-published material.

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- Different approaches. Myself, <u>not</u> fan of "related work sections".
- "History" (the shoulders of the giants) not equally important for all.
- Many good & bad reasons for citing (or not) and for discussing (or not).

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☛ The right question is: why do I cite this work? To say what?

Some possible actions for improvements:

- Give no page limit for references in submissions and final papers.
- Enforce reviews and check final papers (never done in any conference!).
- Complete polyhedral.info. Use polyhedral.discuss@ens-lyon.fr.
- Exchange more ☛ community.
- Help reducing the current trend towards competition and indicators (h-number, number of papers, "top" conferences, projects, etc.).