

Publication/Dissemination strategies for AOP research

Shmuel Katz
The Technion

Questions

- When to publish?
- Where (what venue)?
- How often?
- Why disseminate?

Basic Principles

- Don't sit on new results!!
 - Someone else might get there first
 - This almost happened to me in my PhD
- Choose the right level venue and audience for the result
- The people you want to know your result should be “users” of the chosen venue
- Rejection happens, and the feedback can be valuable for future versions

Guidelines

- Workshop: new idea, not fully developed, to be shared among experts, to get reactions
- Conference: well developed, but without proofs, treating main idea, some examples, try for highest ranking appropriate
- Journal: fully developed, with proofs, background, examples, comparisons; the future standard reference to the work

Differences among Venues

- The ranking of venues for academic advancement:
 - Journal paper >> Full Conference paper >> Demo/Poster ? Workshop
- ICSE, OOPSLA, CAV are first rank conferences
- AOSD is ranked highly, but is “specialist”
- FOAL, SPIN, are first rank workshops
- Experts know the differences
- Often evaluation committees do not!

The Strange Case of Workshops

- Given low value in evaluations
- Until recently, no proceedings, considered almost like a Technical Report
- ACM Digital Library has started carrying many Workshop Proceedings (for 2 years at AOSD)
 - Advantage: Widely available, “like” a publication
 - Disadvantage: Can prevent considering in a full conference (“this has already appeared...”)
- Backlash: Workshops opt out of Digital Library, claim extended version in a conference is OK

Formal Methods and Aspects

- Formal Methods Conference Venues
 - Computer Aided Verification (CAV): very good, requires implemented tool and validation
 - Software Engineering and Formal Methods (SEFM): also good, less emphasis on validation
 - Tools and Algorithms for Construction and Analysis of Systems (TACAS)
 - Automated Technology for Verification and Analysis (ATVA)

Other Dissemination Channels

- Joint Projects
 - AOSD-Europe, an EU Network of Excellence with 12 partners in Europe, provided a Webpage, and distributed tools/papers on participants' research
 - Joint research projects in the US and elsewhere
- Web pages for tools, announced on mailing lists; should be accompanied by papers
- Cooperation/consulting for industry: can lead to a commercial widely distributed tool

Summary

- We want the world to know about our results
- Without dissemination, there is no impact
- Need the right place for the result
- Rejection happens, and is a “learning experience” for future versions