

Verification Mentoring Workshop

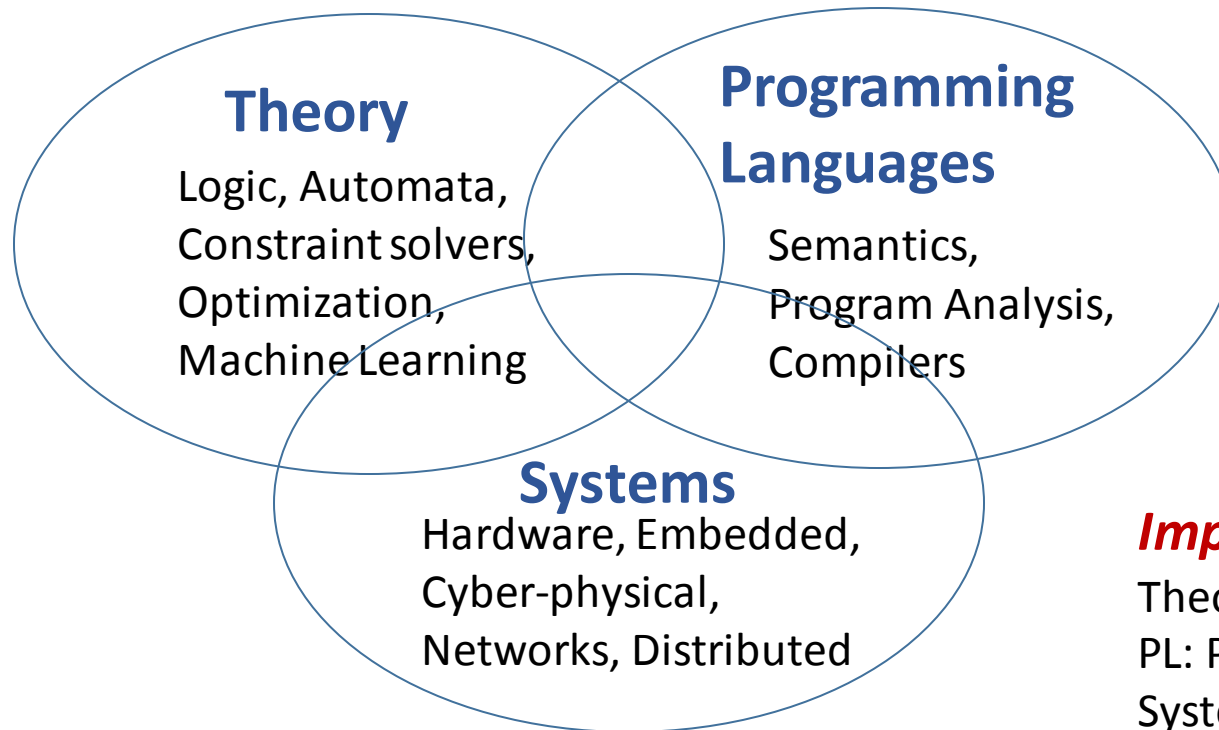
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July 19, 2015

San Francisco, USA

VMW 2015

- Welcome to the field of computer aided verification and formal methods!
- Exciting area at the intersections of theory, programming languages, and systems



Take advantage of:

Courses at your University, MOOCs,
Summer Schools: NSF SS Formal Methods,
SAT/SMT SS, Marktoberdorf, Oregon PL SS

Impact of CAV community at other conferences

Theory: IJCAR, SAT, CADE, LICS, LPAR, ...

PL: POPL, PLDI, OSDI, SPLASH/OOPSLA, FSE, ISSTA, ICSE, ...

Systems: DAC, ICCAD, EMSOFT, HSCC, SOSP, NSDI, Usenix, ...

Agenda

- Focus at the workshop: Overview, Mentoring, and Careers
 - Thanks for your input on topics and questions
 - Interactive sessions: discussion *starters*
 - Handouts: NSF Workshop report, recent survey article
- CAV Conference
 - Research frontiers, technical talks, practical tools
- Logistics
 - Reimbursement of expenses
 - Feedback survey and report

The CAV Buddy System

- Introduced for the first time this year
- Goal: to help more junior students to get easier acquainted to attending a conference
- We hope that everyone who needed this year a buddy will be someone's else buddy next year.

BUDDIES!




Workshop Schedule

8.45am – 9.00am	Introduction by the organizers
9.00am – 10.00	Session I: Formal Methods: Past, Present, Future Rajeev Alur (U. Pennsylvania), Gerard Holzmann (NASA/JPL)
10.00 – 10.30	Break: Say hello to your CAV Buddy
10.30 – 12.00	Session II: Industry and/or academia Ranjit Jhala (UC San Diego), Byron Cook (UCL), Armando Solar-Lezama (MIT), Andreas Kuehlmann (Coverity/Synopsys)
12.00 – 13.30	Lunch
13.30 – 15.00	Session III: Jobs Emina Torlak (U Washington), Aws Albarghouthi (U Wisconsin-Madison), Rishabh Singh (Microsoft) Temesghen Kahsai (NASA Ames)
15.00 – 16.00	Break (15.00-15.30 Coffee)
16.00 – 17.00	Session IV: Life in Science, Final Discussions Natarajan Shankar (SRI), Orna Grumberg (Technion) Questions/Discussions/Comments Informal discussions

CAV Conference Highlights

- Day 1 (July 20)
 - Tutorials (2)
- Days 2-5 (July 21-24)
 - Paper presentations (58 long, 11 short)
 - Invited talks (5)
 - Wednesday, July 22: [CAV Award, Competitions and Artifact Evaluation, Poster Session](#)
 - Social events
 - Monday, July 20: Reception
 - Wednesday, July 22: Business Meeting, Banquet
 - Thursday, July 23: Excursion

Thanks

- Students
- Speakers: Leaders in the field
- Sponsors
 - NSF, Nina Amla 
 - Corporate Sponsors: Amazon, Cadence, Calypto, Coverity/Synopsys, Real Intent



- Organization
 - Raphael Aryeetey (Princeton), Temesghen Kahsai (CMU/NASA), Mark Santolucito (Yale)
- Advice
 - Stephanie Weirich (U Pennsylvania)