

Software Foundations Lab

허충길 (Chung-Kil Hur)

컴퓨터 공학부

Who am I?

➤ Prof. Chung-Kil (Gil) Hur [허충길]

- Education: KAIST (B.S.), Univ. of Cambridge (Ph.D.)
- Lead the Software Foundations Lab
 - <http://sf.snu.ac.kr>
- Have been in SNU since Sep 2013 (almost 7 years now)
- (High school) Bronze medal in Intl' Math Olympiad (IMO) 1994.

Software Foundations Lab

Establish Foundations for Software

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Find Principles for Real-world Problems (Theory)

and

Apply them to Real-world Software (Practice)

Current Projects

1. Relaxed-Memory Concurrency
2. C/C++ and LLVM Compiler
3. Compiler Verification
 - CompCert
4. Software Verification
 - Google's Hafnium
 - PALSware
 - Safety Monitoring System for Autonomous Vehicles

Research Achievements

- Our collaborators
 - [USA] UPenn, Utah, Google
 - [UK] U of Cambridge, Microsoft Research Cambridge
 - [Germany] Max Planck Institute for Software Systems
 - [Israel] Tel Aviv University
 - [India] Microsoft Research India
- Publications at POPL and PLDI (The best two conferences in PL)
 - 7 POPL and 7 PLDI papers for the last 10 years (**6th in the world**)
 - 1 POPL and 1 PLDI **Distinguished Paper Award**
- Graduates
 - 1 Phd (**Prof. at KAIST** immediately after graduation)
 - 2 MS graduates (LG CNS and TmaxSoft)

You are welcome!

If you are interested,

Visit <http://sf.snu.ac.kr>

Or

Drop me an email at gil.hur@sf.snu.ac.kr