ExCAPE 002

Summer School on Synthesis
June 23-26, 2015
@ MIT

Organizers:
Armando Solar-Lezama (MIT), Dana Fisman (Penn),
Stéphane Lafortune (UMich), and Steve Zdancewic (Penn)
and members of the ExCAPE Team
Expeditions in Computer Augmented Program Engineering

http://excape.cis.upenn.edu/

Cornell, Maryland, Michigan, MIT, Penn, Rice, UC Berkeley, UCLA, UIUC
ExCAPE Vision

Harnessing computation to transform programming:
Programming made easier, faster, cheaper
ExCAPE Summer Schools

• Proposal:
  – Summer Schools in 2013, 2015, 2017

• 2013: At UC Berkeley, June 12-15
  – About 90 registrants: Mix of graduate students, post-docs, researchers, and faculty, from 12 different countries

• 2015: Over 75 registrants
2015 Summer School: Schedule

• 5 tutorials (over 2/3 days):
  – Reactive Synthesis: R. Bloem (TU Graz)
  – Probabilistic Programming: V. Mansinghka (MIT)
  – Synthesis for Robotics: V. Raman (Caltech)
  – Solvers, Synthesis, and Inductive Learning: S. Seshia (UC Berkeley)
  – Syntax-Guided Synthesis: A. Solar-Lezama (MIT)
2015 Summer School: Schedule

• Supporting lecture by ExCAPE PI:
  – S. Zdancewic

• Invited Speakers:
  – Victor Kuncak (EPFL)
  – Ashish Tiwari (SRI)
  – Martin Vechev (ETH)
  – David Walker (Princeton)
  – Keith Winstein (Stanford)

  – All presenters will introduce themselves...
ExCAPE 002 - Logistics

• Start on time
• Lunch is included in your registration fee (!)
• Thursday: Start at 8:30am. Excursion starts at 11am
• Slides will be posted on the ExCAPE website
• Questions during and after
  – Use breaks and lunch for technical discussions too!
• WiFi and cell phones
ExCAPE 002 - Logistics

• 1. Install VirtualBox: https://www.virtualbox.org/wiki/Downloads (VMWare player might also work, no promises)

• 2. From http://rat.fbk.eu/ratsy/index.php/Main/Download, get one of the two virtual machine images

• 3. Start VirtualBox

• 4. Click "new", choose "Linux", "Ubuntu 32", about 2GB of memory

• 5. Use existing virtual hard drive, pick one of the virtual machine images

• 6. Start VM, the username and password are both ratsy.

• If you have any trouble, let Ayrat Khalimov or Roderick Bloem know after the lecture on Wednesday
ExCAPE 002: Logistics

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