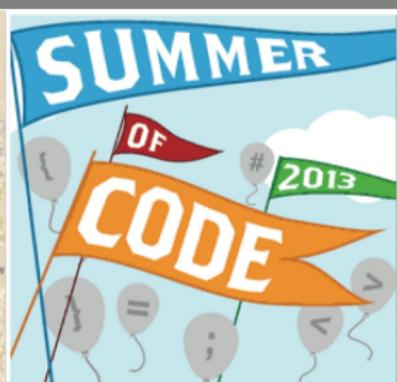


Growing GNU Radio – In Europe and Academia

GNU Radio Conference, 2013, Boston

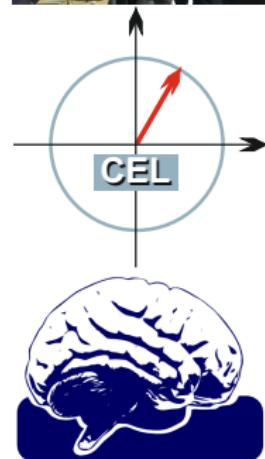
Martin Braun | 1.10.2013

Communications Engineering Lab



GNU Radio in Europe

- ISWCS Ilmenau (September 2013)
 - Demo Session
- Karlsruhe Workshop on Software Radio (WSR) 2014 (March 12-13)
 - Abstracts: November 24
 - Hackfest
- FOSDEM (Shoutouts to the Crofton)
- ...there's actually a lot of SDR guys over there (see OsmoCom)



FOSS in Universities

- Why do GNU Radio / FOSS in universities?
 - Listen to the heart-warming story of Martin the intern...
 - *Lesson 1:* Students need platforms to present their own work
 - *Lesson 2:* Having people in FOSS projects gives *you* free exposure
 - *Corollary:* If you're using FOSS and do not commit upstream, you're making a loss
- Conclusion: It's fun work for fame and profit
- It's good for the university and the students



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GNU Radio in Universities

- GNU Radio Companion: A great tool for class
- If a student has coded something for GNU Radio, he'll have understood it
- Shoutouts to all the universities who are using this
- As for the rest...



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Summer of Code – What exactly does it entail?

- 3 Months of paid coding
- Students are expected to work full-time
- Supervision by a volunteering mentor
- Two evaluations (mid-term and at the end, results in pass or fail)
- Also, you get a t-shirt (and lots of nerd cred)



I want to join!

- Be active on the mailing list / make yourself known
- Write a good proposal – Make sure it's clear you've understood the underlying problem!
- We like people who stay in the community
- If you're a university, **don't be lazy and help your students do this**
- You can also join as a mentor...

- Actually, that's a *dementor*



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- Five Students, Four Mentors (and Moritz)
- Very different domains
 - LDPC Codes
 - Hardware Acceleration
 - 802.11a stuff
 - GRC Improvements

