

# ELC 2013

The OpenEmbedded Project 2 Years After  
Adopting the Yocto Project

# About me

- Involved in OE since (nearly) the start in 2003
- Founder of the Angstrom Distribution
- ex-TI
- Software Engineering Manager at CircuitCo Electronics

# Brief history of OE

- Started in 2003 by OpenZaurus developers
  - Buildroot didn't scale to all the zaurus devices
- Handhelds.org adopted it officially in 2004
  - Familiar was repackaging .deb files
  - Unable to build from source
- Both merged into Angstrom mid-2005
  - First ARM EABI distro ever!
  - Used to bootstrap Debian/armel

# Full circle

- First iterations used “oemake” and “oemake2” commands
- 2005: 'What we used to refer to as the “OE core” has been renamed to “BitBake”'
- 2010: rename yocto-poky-buildsys to 'OE core'

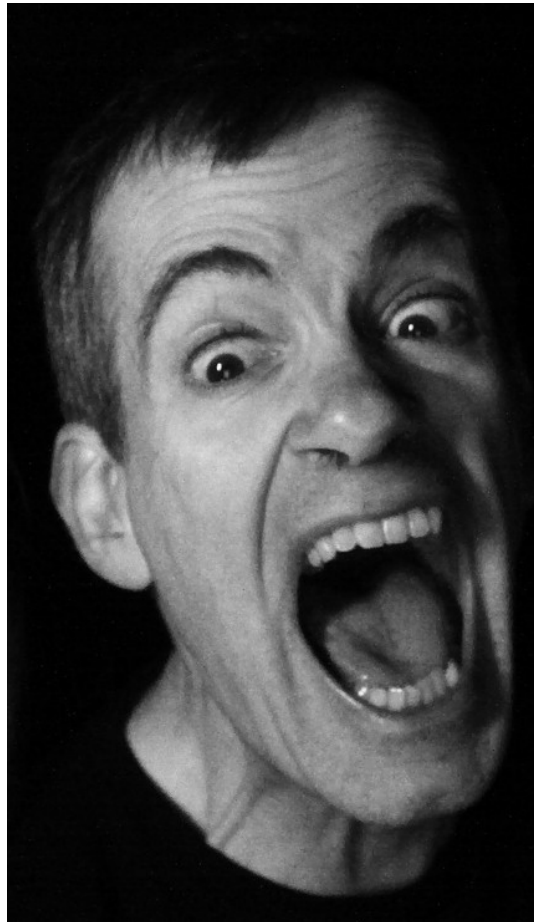
# Terminology

- The Yocto Project is an umbrella organization of which
- OpenEmbedded is used as buildsystem, which can (cross)build
- The Angstrom distribution, which runs on the actual device.

So....

Your device does **NOT** “run yocto”

Dave will yell at you if you get it wrong



# The monolithic OE

- ~8000 recipes
- 312 machines
- 29 “distros” (more on that later)



# Layers, yocto 1.2

- meta-angstrom: 47
- meta-openembedded: 551
  - Meta-efl: 81, meta-gnome: 67, meta-gpe: 3, meta-initramfs: 15, meta-multimedia: 1, meta-oe: 331, meta-xfce: 35, toolchain-layer: 18
- meta-ti: 69
- openembedded-core: 895

# Layers, yocto 1.3

- meta-angstrom: 55
- meta-beagleboard: 2
- meta-openembedded: 642
  - Meta-efl: 91, meta-gnome: 75, meta-gpe: 5, meta-initramfs: 12, meta-multimedia: 5, meta-networking: 6, meta-oe: 381, meta-systemd: 6, meta-webserver: 6, meta-xfce: 47, toolchain-layer: 8
- openembedded-core: 832

The remaining 75% of this talk:

Answers!