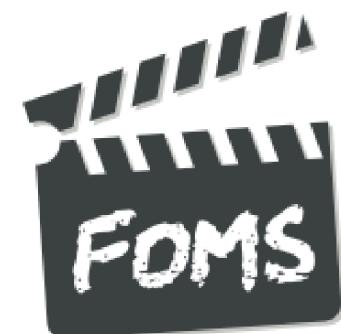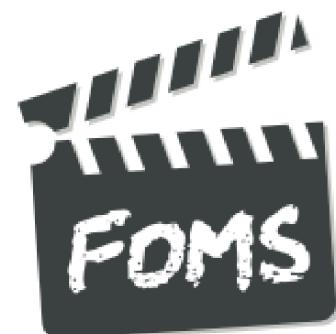# ALSA

- James Courtier-Dutton:
  - Linux Multimedia (Videos, Music, VoIP, Multicast etc.)
  - Linux Kernel (ALSA)
  - Linux Software Defined Radio (SDR)
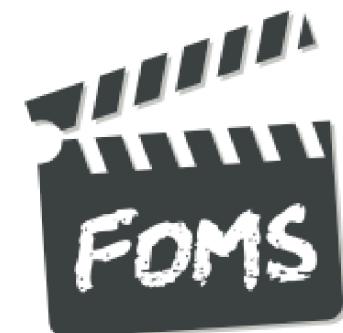 - Reverse Engineering.

ALSA: Activity

- Project aim:
  - Creating drivers
  - driver maintenance
  - HAL library (alsa-lib)
  - Collecting "lowlevel" tools (alsa-tools package)
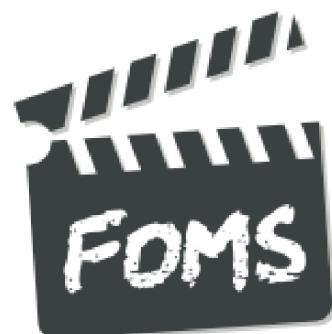 - Responding to user needs

ALSA : Challenges

- we need more developers!!!
- The size of the problem.
- Documentation
- Mixer abstraction
- Hardware abstraction layer

ALSA : Dependencies

- Libraries in use:
  - libasound
  - Libm, Libpthread, Libdl, libc
  -

- Projects that dependent on us:
  - Any multimedia application
  -

ALSA : Next Steps

- Meet all the Challenges from slide 2!!!
- Get more developers.