**Budankov Alexey**

Q1: How to send messages to logcat from native code?

A1: See the examples in our course, chapter 9.7-9.8 (slide 218). Code example:

*SLOGE("Failed to open %s: %s", LOG\_FILE, strerror(errno)); /\* 1 \*/*

*SLOGV("Flushing %s", LOG\_FILE);*

*SLOGI("Flushed log (%d, %d of %d bytes). Waiting %d second before the next flush.", count, usedSize, totalSize, frequency);*

etc

platform implementation done in

*#include <cutils/log.h>*

*#include <cutils/logger.h>*

Q2: Can the logs be deactivated system wide?

A2:

**Lyalin Sergey**

Q1: how to query the power consumption for the whole system and also for particular parts (CPU, display etc)

A1: Check the tech paper from Google <https://source.android.com/devices/tech/power.html>

Check the official platform implementation of Battery tab in Settings app, the project app is located at <https://github.com/android/platform_packages_apps_settings> and the class doing all the magic is <https://github.com/android/platform_packages_apps_settings/blob/master/src/com/android/settings/BatteryInfo.java>

Check the Intel PowerTop open source project at <https://01.org/powertop/> and sources at: <https://github.com/fenrus75/powertop>

The *BatteryInfo.java* has an included *BroadcastReceiver* for *Intent.ACTION\_BATTERY\_CHANGED* and is taking from the passed Intent most of

the informations need it like temperature, etc.

Check the Power Tutor application website at : <http://ziyang.eecs.umich.edu/projects/powertutor/> and the source code is available at: <https://github.com/msg555/PowerTutor>

Check also the SysPower app website <https://code.google.com/p/syspower/> and the source code is available at: <https://code.google.com/p/syspower/>

Also command line alternatives + java code alternatives:

*adb shell dumpsys batteryinfo*

*public static void dumpBatteryInfo() {*

*try {*

*String cmd = "dumpsys battery";*

*Process script = Runtime.getRuntime().exec(cmd);*

*BufferedReader in = new BufferedReader(*

*new InputStreamReader(script.getInputStream()));*

*String line = null;*

*while ((line = in.readLine()) != null) {*

*Log.i ("BATTERY","Battery stats: " + line);*

*}*

*} catch (Exception ex) {*

*}*

*}*

*<uses-permission android:name="android.permission.DUMP" />*

**Cheportuzov Artyom**

* Simple app to react on on poweroff and reboot

**Deev Vladimir**

* After flashing a device how to test some features (not explorative testing, but ui testing )

**Kasatkina Olga**

* Automatic test UI

**Kozyrev Alexander**

* How to manage the activity stack in c++

**Krasichkov Eugene**

* If ( not Inject own library into a not rooted process without debuggable permissions )
* else { react on other applications launches }

**Kukanov Alexey**

* 3rd party library used in my application, native library

**Kukanova Svetlana**

* question is sent per email

**Malyshev Andrey**

* mechanism pattern for „sliding the screens“
* gestures
* event mechanism, how to intercept different types of touch gestures (singleplay, long play, zoom etc) – complex
* sandboxing and execute system calls (what is possible)
* how to run the emulator on the Windows
* how to upload custom images to the phone

**Matrosova Ekaterina**

* I run the shell in android phone and I run the apps from command line, how I can debug these crashes, dumps etc

**Panov Roman**

* UI development, some example of custom controls;

**Perepelkin Sergey**

* NDK samples

**Ryabtsev Dmitry**

* Bad html 5 apps and reasons why

**Tutin Michael**

* How to communicate between Android layers; how to pass data

**Lazarev Evgeny**

* Show on the top of the application a visible layer with information

**Leskinen Eugene**

* Java and native parts in the app; the apps should use some Android specific features

**Korobycin Slava**

* Content Providers example

**Aranovsky Sergei**

* how I can subscribe for some events from native code
* RenderScript example
* Split screen apps running in the same time