Work out a schedule for public user day of OsmoCon 2017

The schedule needs to be attractive to users, both newbies as well as more experienced users.

We need a couple of talks and workshops around running the GSM / GPRS/EDGE / UMTS infrastructure.

Some random ideas:

- running a basic circuit-switched GSM network
- interfacing a VoIP operator and/or PBXs via SIP
- running GPRS/EDGE data services with OsmoPCU, OsmoSGSN and OpenGGSN
- fundamental GSM radio frequency planning
- setting up + running "3G in a Box" with osmo-iuh, OsmoMSC, OsmoSGSN and OpenGGSN
- GSUP + core network elements for roaming integration
- using the osmocom control interface
- efficiently investigate and report issues using wireshark, GSMTAP and libosmocore logging

Related issues:
Related to Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) - Feature #... Closed 12/19/2016
Precedes Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) - Bug #1889: ... Closed 12/20/2016 12/20/2016

Some more random ideas:

- Osmocom infrastructure, redmine, git, gerrit, jenkins.. (the policy and tradition as much as the tech)
- Hitchhikers guide to the code(s). Where are all the things? (in libosmocore, in openbbsc in the libmsc, etc) for example, what if I would like to add a command to the vty?

A "state of things" would probably be good too. Something listing what works now, fully supported, what's experimental and what's planned for the future so that you know what to expect.

Some more suggestions from tnt and keith.

+1 to suggestions from tnt and keith.

Should we also discuss who is presenting what?
#9 - 03/21/2017 12:24 AM - ipse

One more suggestion to a list of talks: Using SDR hardware to run a GSM network aka a completely DIY GSM network. Happy to present this one.

#10 - 03/21/2017 06:54 PM - laforge

Hi Alexander,

On Tue, Mar 21, 2017 at 12:24:30AM +0000, ipse [REDMINE] wrote:

> One more suggestion to a list of talks: Using SDR hardware to run a GSM network aka a completely DIY GSM network. Happy to present this one.

Thanks ofr the offer. However, I think it's not that different from using other hardware with OsmoBTS and OsmoNITB & Co., the only difference is some low-level configuration of OsmoBTS and that you have to run OsmoTRX alongside.

Our focus in the introductory talks about running a cellular network is on OsmoBTS and above, we will not cover details of any particular hardware in those talks.

So if at all, we could do a comparison of different supported hardware, but then we should be fair and try to cover all devices, from BS-11 to Nokia InSite, MetroSite, to Ericsson RBS2000 to symoBTS models, Nuran, Octasic, USRP, UmTRX, etc.

I'm not sure we have time left in the agenda, but I think that would be informative.

#11 - 03/28/2017 04:39 PM - laforge

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- % Done changed from 50 to 100

#12 - 04/25/2017 01:57 PM - laforge

- Status changed from Resolved to Closed