Contribution ID: **33**   Type: **not specified**

Internet of Things MC

The IoT Microconference is a forum for developers to discuss all things IoT. Topics include tools, telemetry, device drivers, and protocols in not only the Linux kernel but also Real-Time Operating Systems such as Zephyr.

Since last year, there have been a number of new technical topics with significant updates.

- Opportunities in IoT and Edge computing with the Linux /dev/accel API
- Using the Thrift RPC framework between Linux and Zephyr
- Zephyr's new HTTP Server (a GSoC project)
- Rust in the Zephyr RTOS: Benefits, Challenges and Missing Pieces
- BeagleConnect Freedom Updates, Greybus, and the Linux Interface
- Linux-wpan updates on 6lowpan, 802.15.4 PAN coordinators and UWB

Current Problems that require attention (stakeholders):

- IEEE 802.15.4 SubGHz improvement areas in Zephyr, Linux (Florian Grandel, Stefan Schmidt, Beagle-Board.org)
- WpanUSB upstreaming in the Linux kernel, potentially dropping Zephyr support (Andrei Emeltchenko, BeagleBoard.org)
- IEEE 802.15.4 Linux subsystem device association handling (Miquel Raynal, Alexander Aring, Stefan Schmidt)
- Zephyr potentially dropping Bluetooth IPSP?

On a slightly less technical topic.

- Reflections after Two Years of Zephyr LTSv2

We hope you will join us either in-person or remote for what is shaping up to be another great event full of collaboration, discussion, and interesting perspectives.

Primary authors: FRIEDT, Christopher (Friedt Professional Engineering Services);   Mr SCHMIDT, Stefan

Track Classification: LPC Microconference Proposals