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Linux device papers available

Jul. 28, 2008

[Updated Jul. 29] -- The 2008 Ottawa Linux Symposium (OLS) has published 57 papers related to the Linux kernel and kernel development. Published as PDFs lightly reformatted for readability, the 57-paper collection includes many documents likely to interest embedded Linux device developers.

OLS is one of the older Linux conferences, having started in 1999. Focused on technical matters, it lacks the vendor expo typical of computer industry marketing events. Instead, it aims to give Linux kernel hackers a venue to meet, present their work, and discuss technical matters in person.

[OLS 2008](#) took place late last week, from Wed., Jul. 23 to Sat., Jul. 26. The OLS paper reformatting team lost little time in assembling and republishing the papers, which together comprise some 552 pages.

A selection of featured papers especially likely to interest embedded developers includes:

- LTTng: Tracing across execution layers, from the hypervisor to user-space -- Mathieu Desnoyers
- Application testing under real-time Linux -- Luis Claudio R. Goncalves
- Linux, open source, and system bringup tools -- Tim Hockin
- Audio streaming over Bluetooth -- Marcel Holtmann
- Introducing the [Advanced XIP File System](#) -- Jared Hulbert
- Low power MPEG4 player -- Joo-Young Hwang
- Where Linux kernel documentation hides -- Rob Landley
- Tux meets Radar O'reilly---Linux in military telecom -- Grant Likely
- A Symphony of flavors: Using the device tree to describe embedded hardware -- Grant Likely
- 'Real Time' vs. 'Real Fast': how to choose? -- Paul E McKenney
- Performance inspector tools with instruction tracing and per-thread/function profiling -- Milena Milenkovic
- Building a robust Linux kernel piggybacking The Linux Test Project -- Subrata Modak
- Coding eye-candy for portable Linux devices -- Bob Murphy
- SELinux for consumer electric devices -- Yuichi Nakamura
- Smack in embedded computing -- Casey Schafler
- Energy-aware task and interrupt management in Linux -- Vaidyanathan Srinivasan
- Choosing an application framework for your Linux mobile device -- Shreyas Srinivasan
- Thermal management in user space -- Sujith Thomas
- **Measuring DCCP for Linux against TCP and UDP with wireless mobile devices -- Leandro Melo de Sales**
- The Corosync Cluster Engine -- Steven Dake
- Lots more

The re-formatted papers are currently available at the Fedora Project's OLS page, [here](#). They can be downloaded either separately, or as two massive 200-plus page documents.

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