Open Hardware Workshop Overview

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BE-CO Hardware and Timing section
CERN, Geneva, Switzerland

San Francisco, 7 October 2013

Outline

Introduction and experience in the Institutes

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Not only CERN anymore!

- Soleil's development of a series of SPI-capable boards (controller, motion control, ADC/DAC).
- LNLS's developments for BPMs and Orbit Feedback, based on µTCA and FMC.
- OpenPET project in LBNL.

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But some labs do not enjoy as much backing from their TT groups

- Trend to focus on direct profit only.
- OH is new. Past experience with FOSS helps.

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Knowledge and Technology Transfer and legal aspects

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Two very good remote talks with live Q&A

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- John Ackermann, father of TAPR OHL, on legal considerations.

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All audio/video and networking gear worked flawlessly

Many thanks to the Local Organizing Committee and the personnel at the Hyatt!

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Five excellent talks

- KiCad, a PCB design tool.
- Icarus, an HDL simulator.
- Libre-FDATool, a tool to easily design HDL filters.
- VPCIe, a PCIe endpoint virtualization framework.

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Discussion session

Mainly focused on how to join efforts to finance EDA tool development.

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All slides and some audio/video will be available at http://www.ohwr.org/projects/ohr-meta/wiki/OHW2013