A (very) short summary

Tomasz Włostowski, CERN
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About the Summit

- 2nd time, New York City
- Over 30 speakers and 300 attendees
- Building OH communities
- Business models
- Legal stuff
- Impact on society
- Less on technology
**OH Superstar: Arduino**

- **Huge** success, 300k+ units sold, available at every major distributor
- Lets non-electronics people play with electronics
- Open source the hardware, **protect** brand and business model
- Now goes ARM!
- … and you can even play games on it :)

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OHS 2011 – a very short summary
OH SUPERSTAR: ARDUINO

* HUGE SUCCESS

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* OPEN SOURCE THE HARDWARE PROTECT YOUR BRAND AND BUSINESS MODEL

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* ... AND CAN PLAY GAMES!!!
Building communities

Instructables.com: How 13-year-olds and rubberbands power an open-source hardware community

IfixIt: Why repairing stuff yourself is good

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Future of the OH

**Bunnie Huang:** Why the OH best days are yet to come

Moore's Law favors big players, but is slowing down:

- More stable platforms
- Quality and optimization instead of time-to-market
- Rise of repair culture
OH and the law

- CERN Open Hardware License announced to wide audience
- 4 Freedoms of the OH
- Ensuring that your product is genuine Open Hardware
- Costly certification (CE, FCC, etc.)
- Not everybody likes us - protecting the OH
Impact on society

Fukushima accident in Japan: autonomous sensors for mapping radiation levels

Protei: Sailboat drones cleaning oil spills from the oceans

Eyewriter: enabling people with ALS to communicate and create art
Other topics

- **Mitch Altmann**: OH is not only designing: funding, manufacturing, shipping, distribution, support and advertising OH projects.
- Opening **integrated circuit** layouts – is it really worth it?
- **Sparkfun**: Limits to openness (or what should not be open)
- **Amanda Wozniak**: Open-sourcing the engineering process
- **GROUND Lab**: Labor over Capital, legal costs of developing hardware, patent wars & trolls
... and LOTS of amazing projects!
Conclusion

**OH Summit**

- Communities
- Business
- Social

**OH Workshop**

- Technology
- Tools
- Applications

**Complement each other**
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