Open Source Silicon: New tools for a new generation.

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Resumen:

The semiconductor industry creates some of the most advanced objects ever made and, and many of the largest companies in the world are increasingly starting to create chips themselves. A the same time, it's a comparatively small and extremely conservative industry, not least when compared to the neighboring field of software design. But just like what happened 20 years ago for software, when the whole field was revitalized from the massive uptake of open source, we see the same thing happening for chip design. The barriers of entry are torn down and chip design is becoming faster, cheaper and more accessible for small companies and individuals. As students, you will enter a job market that is bustling with new possibilities if you know where to look. This presentation will guide you through some of the things that has been done and can be done with open source silicon, to give you new tools for a new generation.

Sobre Olof Kindgren:

Olof Kindgren is an award-winning digital design engineer working for Qamcom Research & Technology. He is also a renowned open source silicon expert involved in many project both as an advocate and a developer to promote, assist and advance open source silicon within the industry, academia and for hobbyists alike. On the advocacy side Olof is a co-founder and director of FOSSi Foundation, contributor to RVFPGA and serves as a RISC-V Ambassador. As a developer, he leads several well-known open source silicon projects such as FuseSoC, Edalize, SERV and VeeRwolf.