



Hello, I'm Lars Lindqvist

System Designer - Digital Designer

I am a highly skilled Digital Designer with long experience of designing all kind of electronic systems and specifically with ASICs and FPGAs.

Work Experience

Gordia Consulting, System and Digital Consultant **2019-present**

Advenica AB, Head of FPGA Development **2009-2018**

Responsible for a team of 3-6 persons developing hardware for various security products like VPN, firewalls, data diodes and file crypto. System and digital design of high security systems.

Cambridge Silicon Radio Sweden AB, Digital ASIC Designer - Consultant **2005-2009**

System design, mixed signal simulation and implementation of digital parts of cellular radio ASIC (Matlab, ADMS, Verilog). Responsible for GSM/EDGE modulation, digital filter chain, delta-sigma modulation and adaptation for PLL systems.

Ericsson AB, Digital ASIC Designer (partly contractor) **1997-2005**

Digital design of GSM/WCDMA baseband (VHDL). Digital design of Bluetooth radio and baseband (SPW, VHDL). Various investigations on GSM phone platforms.

Gordia Elektronik, System and Digital Consultant **1988-1997**

FPGA design (VHDL) of graphic control board, ISEC. Hardware design of industrial control systems, Tetra Pak. Gate-Array design of industrial control system, Alfa Laval Automation. Teacher in VHDL design, ABB, SAAB and Ericsson. Software design (C, Lex & Yacc) of a VHDL to Boolean compiler.

Electrolux Mecatronic AB, Digital Designer **1985-1988**

Full-Custom design of optical sensor in Genesil silicon compiler. Hardware design of intrusion system and energy control.

SattControl AB, Digital Designer **1981-1985**

Hardware design of various industrial control systems (PLC). Analogue and digital design for surveillance of submarine batteries (Tudor). Analogue and digital design for control of robots (Volvo).

Education

Master of Science in Electronics, Lunds Tekniska Högskola (LTH) **1976-1981**

System Engineer Robot-70, Radarskolan Göteborg (RMS) **1979-1980**

Bachelor of Science in Electronics, Tycho Brahe Gymnasium Helsingborg **1972-1976**

Interests

Besides working I enjoy reading, travelling and outdoor activities. I'm an avid runner and participate regularly in various veteran competitions, where I have achieved several VSM medals in 10k, half marathon and cross country.