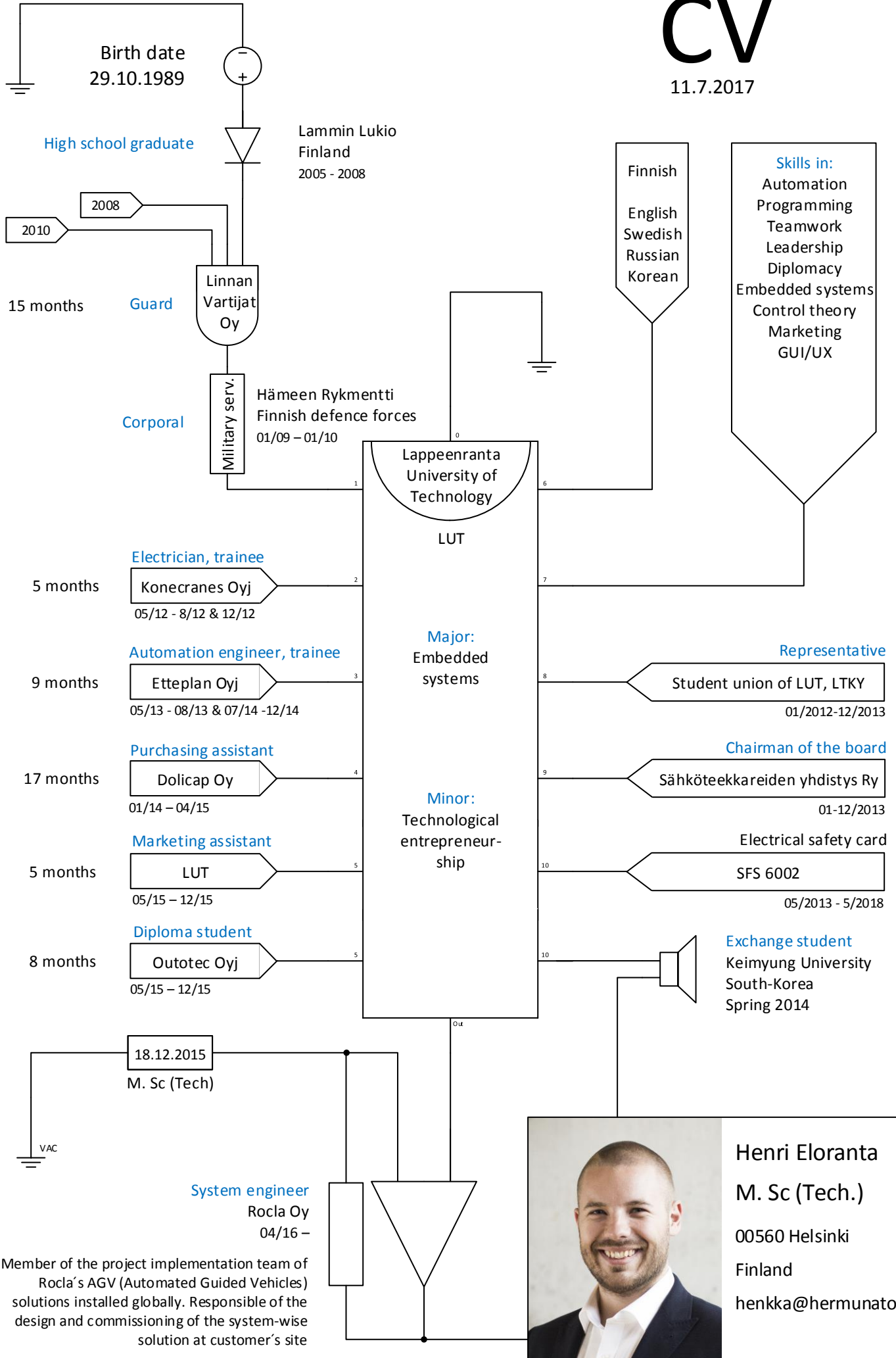


# CV

11.7.2017



Birth date  
29.10.1989

High school graduate

Lammin Lukio  
Finland  
2005 - 2008

2010

2008

15 months

Guard

Linnan  
Vartijat  
Oy

Corporal

Military serv.

Hämeen Rykmentti  
Finnish defence forces  
01/09 - 01/10

Lappeenranta  
University of  
Technology

LUT

5 months

Electrician, trainee

Konecranes Oyj  
05/12 - 8/12 & 12/12

9 months

Automation engineer, trainee

Etteplan Oyj  
05/13 - 08/13 & 07/14 - 12/14

17 months

Purchasing assistant

Dolicap Oy  
01/14 - 04/15

5 months

Marketing assistant

LUT  
05/15 - 12/15

8 months

Diploma student

Outotec Oyj  
05/15 - 12/15

18.12.2015  
M. Sc (Tech)

System engineer

Rocla Oy  
04/16 -

Member of the project implementation team of Rocla's AGV (Automated Guided Vehicles) solutions installed globally. Responsible of the design and commissioning of the system-wise solution at customer's site

Finnish  
English  
Swedish  
Russian  
Korean

Skills in:  
Automation  
Programming  
Teamwork  
Leadership  
Diplomacy  
Embedded systems  
Control theory  
Marketing  
GUI/UX

Major:  
Embedded  
systems

Representative

Student union of LUT, LTKY  
01/2012-12/2013

Chairman of the board

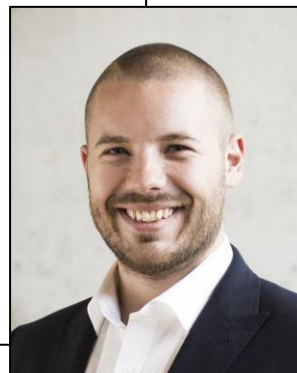
Sähköteekkareiden yhdistys Ry  
01-12/2013

Electrical safety card

SFS 6002  
05/2013 - 5/2018

Exchange student

Keimyung University  
South-Korea  
Spring 2014



Henri Eloranta

M. Sc (Tech.)

00560 Helsinki

Finland

henka@hermunator.fi

## PROFILE

My background is from electrical engineering; I love to know how & why things work. This honest interest led me through university major in embedded systems, although I wasn't in fire during high school electricity class. Besides making difference with the latest technology I see myself working in the interface of the engineers, customers & management. I enjoy being in touch with the big picture.

My motto: *"Life smiles. Smile back."*

## WORK EXPERIENCE

### **System engineer**

Rocla Oy

04.04.2015 –

Member of the project implementation team of Rocla's AGV (Automatic Guided Vehicles) logistics solutions installed globally. Responsible of the design and commissioning of the system-wise solution at customer's site, including PLC-programming, layout & traffic design, interface implementations and simulation. Travelled 174 days abroad during first 12 months, and first own project was completed in March 2017. Main tools are IEC 61131-3, AutoCAD, MS Access, Danaher Motion NDC8, Agent Ransack, WinMerge, Python & Peltor WS Alert XP.

### **Diploma student - Master's thesis**

Outotec (Finland) Oy

19.05.2015 – 31.12.2015 (8 months)

Master's thesis contract for Outotec in the Non-Ferrous business line as a member of copper anode casting product line. Studied alternatives for the product line's real-time hardware-in-the-loop (HIL) – platform to be developed. The result of the thesis was a virtual commissioning platform in 3D which enables developing and verifying the PLC-algorithms used in the casting shop's control in an efficient way. This position was an ultimate learning point, as the product line is responsible for the casting shop R&D, product management, consultant activity, commissioning, after sales and delivery. Main tools were Matlab Simmechanics, Solidworks, KEPServerEX 5, S7-317F CPU, STEP 7 & IEC 61131-3.

### **Purchasing assistant**

Dolicap Oy

01.01.2014 – 18.05.2015 (17 months)

Responsible of the Dolicap's purchasing relations to suppliers in Europe and bidding them. Daily routines was to handle the spare part supply for trucks used in the forest industry logistics. Company now saves around 50000 eur annually before the bidding process.

### **Automation engineer, trainee**

Etteplan Design Center Oy

14.07.2014 – 31.12.2014 (6 months)

Member of the Etteplan's automation department. Completed assignments in the field of technical design and engineering, supporting sales, upgrading. Main tools were Excel, Eplan, AutoCAD, different national & global standard and contracts made between Etteplan's customers Outotec & UPM.

### **Marketing assistant**

Lappeenranta University of Technology (LUT)

15.08.2014 – 31.12.2014 (5 months)

Marketing assistant in the team Firmatiimi of the University. Responsible for promoting the relations of small and medium sized companies and the University. To success in the position University put us through a sales course organized by Get Up Consulting Oy. Main goals were to establish new trainee positions, thesis opportunities and assignments for the students of Lappeenranta University of Technology.

### **Automation engineer, trainee**

Etteplan Design Center Oy

13.05.2013 – 18.08.2013 (3 months)

Member of the Etteplan's automation department. Completed assignments in the field of technical design and engineering, supporting sales and upgrading. Main tools were Excel, Eplan, AutoCAD, different national & global standard and contracts made between Etteplan's customers Outotec & FACOR.

### **Electrician, trainee**

Konecranes Finland Oy

02.05.2012 – 24.08.2012 & 17.12.2012 – 31.12.2012 (5 months)

Member of the electrical manufacturing department. Responsible for assembling the electrical cabinets for industrial hoists. Got hands-on experience from electrification, circuit diagrams and the implementation of the circuit diagrams to the practice.

## EDUCATION

### **M. Sc. (Tech)**

Lappeenranta University of Technology  
28.10.2013 – 18.12.2015 (2 years 2 months)

Major studies in the area of embedded systems, including hardware & software integration, real-time programming, automation engineering and system engineering. Main tools were C, Matlab, VHDL, LabView, Code Composer Studio, datasheets of different controllers, real-time operating systems  $\mu$ C/OS 2 and different bus technologies.

Minor studies in the field of technological entrepreneurship.

GPA 3.35 / 5

Master's thesis: "Virtual commissioning platform for automation system"

Grade: 4

### **B. Sc. (Tech)**

Lappeenranta University of Technology  
23.08.2010 – 25.10.2013 (3 years 2 months)

Major studies in the field of electrical engineering and electronics, including circuit theory, digital electronics, electromagnetism, energy efficiency, electrical physics and electric drive technology. Main tools were C, Matlab, OrCAD, engineering handbook Beta for science and engineering, national & global electrical engineering standards and laboratory equipment.

Minor studies in the field of control engineering and signal processing.

GPA 2.95 / 5

Bachelor's thesis: "Designing and testing a remote control system for electric motor"

Grade: 4

### **Exchange student**

계명대학교 - Keimyung University

South Korea

03.03.2010 – 20.06.2013 (5 months)

Spring 2014 studying abroad in Daegu, South Korea.

Completed following courses: Operating system principles, management of venture technology, family and gender relations in understanding Korean society, Korean language practice, the features of Korean traditional food.

## CONFIDENTIAL TASKS

<b>Head of the board</b>	Sähköteekkareiden Yhdistys Sätky Ry	2013
<b>Representative</b>	Student Union of the LUT, LTKY	2012 – 2013
<b>Treasurer</b>	Skiing club of the students of LUT, Laskin Ry	2012
<b>Freshman captain</b>	Sähköteekkareiden Yhdistys Sätky Ry	2011 – 2012
<b>Member of the board</b>	Sähköteekkareiden Yhdistys Sätky Ry	2011
<b>Member of the board</b>	Pellavan Takojat Ry (Pellavarock)	2007
<b>Youth representative</b>	Lammin kunta, municipal council	2006 – 2007

## VALUES & FUTURE

### Continuous learning

To support this I have gained a mentor through the program arranged by Suomen Mentorit Ry, my mentor being Hannu Laatikainen from Murata Electronics Oy.

### Dealing with people

Professionally I like dealing with machines – but also with people. I see myself as a socially aware engineer. This helps since every machine is built by human at the end, directly or indirectly.

### Healthy body, healthy mind

Even 30 min jog cherishes stressed week and gives a lot of energy. A week without exercise is not a proper one.

### Supervisor

I have high standards towards supervisors. It's serious business and must not be taken lightly. One of my long term goals is to grow professionally all the way to a supervisor position.

### Living abroad

During my exchange time in South Korea in spring 2014 I fell in love with Asia. I'm sure Asia has a role in my life someday.