

INTERNSHIP REPORT

Savonia University of Applied Sciences



SAVONIA
AMMATTIKORKEAKOULU

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Student number: 67687,

Group: EFA12SF,

Type: The internship information technologies,

Duration: 4 months and 1 week or 720 hour (07.07.2015-18.11.2015)

The day of the report: November 22, 2015

Contents

1	Company	2
1.1	General Information	2
1.2	Stuff	2
1.3	History	2
2	Objectives and duties	2

1 Company

I have got my summer practice at Institute of Data Processing and Electronics, which belongs to the Karlsruhe Institute of Technology (KIT). The organisation's visitor address is Hermann-von-Helmholtz-Platz 1, 76344 Eggenstein-Leopoldshafen, Germany and mailing address is Karlsruhe Institute of Technology (KIT) - Campus North, Institute for Data Processing and Electronics (IPE), P.O. Box 3640, 76021, Karlsruhe, Germany. The phone number is +49 721 608 2 2027, an e-mail address is info@ipe.kit.edu, ipe.kit.edu is the webpage of the organisation. I worked under supervision of Dr. Torsten Hopp, his e-mail address is torsten.hopp@kit.edu and the phone number is +49 721 608-25990. The internship period is from the 7th of July to the 18th of November.

1.1 General Information

Karlsruhe Institute of Technology is one of the largest research and education organisation in Germany. In 2009, University of Karlsruhe¹ merged with Karlsruhe Research Center Forschungszentrum Karlsruhe². The institute has leadership in the Engineering and Natural Sciences in Europe, ranking sixth overall in citation impact.

The total budget of KIT €844 million, the total number of staff is over 10 thousands and over 7 thousands of them is academic staff. There are 24.5 thousands of students, 12.6 thousands of them are undergraduates, 8,3 thousands are postgraduate and over 8 hundreds are doctor students.

1.2 Staff

I was a part of 3D USCT team. USCT and Big Data together form the Software Methods group of IPE. The Head of Software Methods group is Dr. Rainer Stotzka. The permanent part of USCT team consists of:

- Dr. Nicole Rüter - the head of 3D USCT
- Dr. Torsten Hopp - responsible for image processing and data management
- Michael Zapf - responsible for hardware and public relations
- Prof. Dr. Hartmut Gemmeke - former head of IPE, Advisor of 3D USCT

Other team members are students who are doing internship or writing thesis at the institute.

1.3 History

2 Objectives and duties

¹Founded in 1825

²Based on national nuclear research center opened in 1956 and called Kernforschungszentrum Karlsruhe, or KfK