

Secondment report

Name: ESR1.2 Junchao Chen

IRP title: Adaptive methods for fault tolerant embedded systems

From: IHP

To: BTU

Period: Jan 01 – Jan 31, 2019

Activities during the secondment

▪ **Scope and objectives.**

This secondment is intended to provide the ESR with the knowledge of fault tolerance, reliability, dependability and low-power system design, and build a platform for the PhD candidates to show their current research, exchange ideas and collaborate.

▪ **Activities.**

1. Attended different courses at BTU Cottbus: “Dependability and Fault Tolerance” is taught by Prof. Heinrich Theodor Vierhaus.
2. Participated in the PhD seminars and did two presentations.
3. Cooperated with ESR 1.3 Nevin George and ESR 2.2 Raphael Segabinazzi Ferreira on one paper.

▪ **Main results achieved.**

A collaborative paper with ESR 1.3 and 2.2, “Configurable Fault-Tolerant Circuits and System Level Integration for Self-Awareness”, and published it in Euromicro Conference on Digital System Design (DSD) conference as working in progress paper.

▪ **Next steps.**

1. Continue to participate in the PhD seminars of BTU Cottbus, and show the research results.
2. Cooperation in the RESCUE Chip project.

▪ **Optional request for support or a technology/tool available at host:**

None

Self-evaluation

Overall score: 5

I consider this secondment successful, with regards to the research objectives achieved, skills developed, supervision quality, diversity of the resources. (Agree = 5 ... Disagree = 1)

Optional comments: None

Date of the report approval by the supervisor: 03/02/2020

