

Secondment report

Name: ESR4.3 Cemil Cem GÜRSOY
IRP title: **Open-source EDA tools for design quality and reliability automation using zamiaCAD**
From: TUT
To: CDNS
Period: May 19 – June 13, 2019

Activities during the secondment

- **Scope and objectives:**
 - Learning about Electronic Design Automation (EDA) tools development on Cadence as well as identifying and learning about the relevant ones
 - Get feedback on current research status with an industrial point of view and from the cross-sectoral supervisor
 - Discuss potential collaboration ideas with ESRs 4.1 and 4.2
- **Activities:**
 - Discussions on our research activity with ESR4.1 and 4.2
 - Individual research presentation to Cadence
 - Following tutorials on several EDA tools such as Legato Reliability Solution and RelXpert
 - Discussions with developers and application engineers
- **Main results achieved:**
 - Received feedback and advice on my research progress
 - Learned about EDA tools that are relevant to my current research
 - Got to know about EDA tool development in an EDA company
- **Next steps:**
 - Using RelXpert for aging analysis and comparing its results with our setup
- **Optional request for support or a technology/tool available at host:** No.

Self-evaluation

Overall score: 4

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:

Date of the report approval by the supervisor: 10.02.2020

