Report on the mobility of
Ronaldo Rodrigues Ferreira
(UFRGS PhD candidate) to
Politecnico di Torino
Ronaldo Ferreira arrived in Turin on 21\textsuperscript{st} January 2014, and left on 21\textsuperscript{st} December 2014. Ronaldo Ferreira was introduced to the research group of Prof. Matteo Sonza Reorda and his students, and was assigned a desk in Matteo's lab with Internet connection. Ronaldo was also introduced to Ernesto Sanchez, the researcher who Ronaldo was going to collaborate with.

The main goals of his stay at Politecnico were:
1. Present his PhD research at Politecnico within the LoReLei framework;
2. Discuss and work with researchers from Politecnico on a joint work within the frame of his PhD research;
3. Conclude his PhD research and dissertation.

A presentation of Ronaldo's current work and future research occurred in the first weeks of his stay at Politecnico, completing goal 1. After this presentation, a meeting with prof. Matteo Sonza Reorda and Ernesto Sanchez took place. The joint work decided was the permanent fault coverage evaluation of the microprocessor designed in Ronaldo's dissertation. The idea was to use the tools and expertise well established in Matteo's group and apply them to Ronaldo's work. From this work, a joint submission was made to the LATS 2015 conference, currently under review. The paper is:


Besides this joint work, Ronaldo implemented and extracted the final results of his dissertation at Politecnico. His dissertation introduces a compilation strategy that was implemented in the LLVM compiler during his stay at Politecnico.

In his last day in Turin, Ronaldo gave a talk summarizing his final research and results achieved during his stay at Politecnico.

As part of the collaboration, Prof. Luca Sterpone agreed to be part of Ronaldo's PhD jury that will take place in the 23\textsuperscript{rd} January, in Porto Alegre, Brazil.