

**TNO**

Dr. Rer. Nat. Julio A. de Oliveira Filho  
Oude Waalsdorperweg 63  
2597AK The Hague  
The Netherlands

---

Tel: 31-8886-63123

E-mail: [julio.deoliveirafilho@tno.nl](mailto:julio.deoliveirafilho@tno.nl)

May 26, 2015

Jan Saro  
Department of Control Engineering  
Faculty of Electrical Engineering  
Czech Technical University in Prague  
Karlovo namesti 13, 121 35 Prague 2  
Czech Republic

Subject: Review of the Master's thesis

**Distributed task Mapping in Reconfigurable Networked Embedded Systems**

Dear Mr. Saro,

Your thesis – entitled **Distributed task Mapping in Reconfigurable Networked Embedded Systems** – studies and introduces an heuristic algorithm for task allocation at networked embedded systems. The proposed solution deals with important and difficult requirements for the design of networked embedded systems, such as resource and energy constraints, and dynamic network structure.

The thesis is excellent in readability, with a proper introduction of the problem and explanation of the investigated solution. The state of the art in the area was thoroughly investigated and the proposed solution is well compared against an optimal (exact) solution approach. Results are clearly presented and are demonstrative of the claims made at the beginning of the text. The proposed solution is described in details and the experiments can be coherently reproduced based on this description. In every aspect, the thesis and the proposed solution fulfil the expectations and the challenges offered to you in your Master assignment.

For all that, I attribute as my review an **A (excellent)** grade.

In resume:

**Title of the Thesis:** Distributed task Mapping in Reconfigurable Networked Embedded Systems

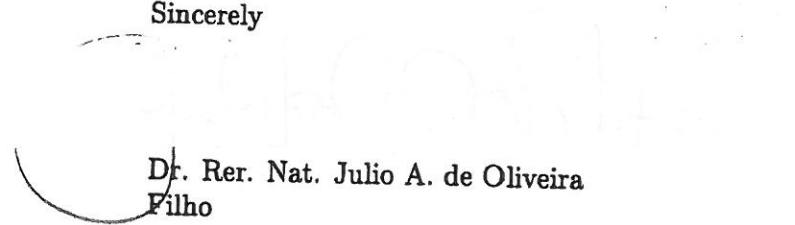
**Student:** Jan Saro

**Reviewer:** Dr. Rer. Nat. Julio A. de Oliveira Filho

**Date:** May 26, 2015

Best wishes for your Thesis defense.

Sincerely



Dr. Rer. Nat. Julio A. de Oliveira  
Filho

cc: P. Sucha