

698/21.01.16

Assessment Report on the Habilitation Thesis and Habilitation Documents

The scientific Commission appointed through the Ordinance of the UPT Rector nr.2 din 16.12.2015 for the evaluation of the Habilitation Thesis and Habilitation File submitted by ERWIN-CHRISTIAN LOVASZ, employed at POLITEHNICA UNIVERSITY TIMIȘOARA, on the position of ASSOCIATED PROFESSOR, candidate to habilitation, according to The Institutional Regulations Regarding the Organization and Development of the Attainment of the Habilitation Certificate in the Politehnica University Timișoara, within the field of doctoral studies MECHANICAL ENGINEERING, after public presentation of the thesis with the title „CONTRIBUTIONS ON DEVELOPMENT OF MECHANISM SCIENCE WITH APPLICATIONS IN ROBOTICS, MECHATRONICS AND MECHANICAL ENGINEERING” on 20.01.2016 within the Politehnica University Timișoara, learned the following, regarding:

- a) Scientific and technical quality, originality and relevance of the candidate's results,
- b) *excellent* Academic, scientific and professional career evolution, in the field, in which coordination of doctoral studies is requested,
- c) *excellent* Individual capacity of the candidate to lead research teams, to organize and manage educational activities through research,
- d) *excellent* Directions of development of academic, scientific and professional development within the field, in which, coordination of doctoral studies is requested

- Very good*
- 1) Strong points of the habilitation thesis:

- Professional training, mainly in Mechanisms Science and Mechatronics domains
- Scientific publications, even in well reputed international frames
- Team leadership and project management
- Academic abilities and communication capability
- Participation to activities of national and international communities
- Technological transfer of innovation results

- 2) Weak points of the habilitation thesis:

- Also motivated by an applied research contract, the point 3.3 of the thesis: “Mechanical design solutions for fishing reel spool mechanisms” is a particular case of a more large area of applications, such as: elevators, mining machines, transportation and others, where the author's study can be used/applied.
- There is no description of prototype developments with emphasis similar to the highs in theory and design results, perhaps for lack of suitable resources

Therefore, the scientific commission recommends (cut the version that does not correspond):

- a) Awarding of the Habilitation Certificate following the public presentation of the Habilitation Thesis;
- b) ~~Rejection of awarding of the Habilitation Certificate following the public presentation of the Habilitation Thesis, based on the following reasons:~~

Date: 20-01-2016

President of the commission: (name and surname) Prof. dr. ing. Dan PERJU

I agree/ I do NOT agree , Signature _____

Member of the commission: (name and surname) Prof.dr.ing. Marco CECCARELLI

I agree/ ~~I do NOT agree~~ , Signature Marco Ceccarelli

Member of the commission: (name and surname) Prof. dr. ing. Burkhard CORVES

I agree/ ~~I do NOT agree~~ , Signature B. Corves

Suppleant member of the commission: (name and surname) Prof. dr. ing. Niels MODLER

I agree/ ~~I do NOT agree~~ , Signature Niels Modler