

# **The Principles of the Commission for the Field of Electrotechnics, Electronics and Photonics for the Evaluation of the Dissertations and Persons of the Applicants for the 'DSc.' Degree**

The work of the commissions proceeds from the Rules for the Granting of the 'Doctor of Sciences' Degree in the ASCR issued as the Guidelines of the Academic Council of the ASCR No. 3/2006, from the General Principles for the Evaluation of Dissertations and Persons of an Applicant binding for all commissions issued by the Panel for the Granting of a Scientific Title of 'Doctor of Sciences', and governed by the Regulatory Procedure to the Rules for the Granting of the 'Doctor of Sciences' Degree.

## **1. General Criteria for the Evaluation of the Dissertations and Persons of the Applicants**

The applicant for the scientific degree of DSc. must demonstrate that is/her scientific work has brought original scientific results that are utilised by scientists from the international scientific community or built upon in their work. The fulfilment of this requirement will be judged on the bases of studies published in impact foreign journals, their citations, invitations to present lectures at international conferences, foreign institutes and other scientific events. For this reason, the commission prefers the form of a dissertation comprised of a collection of published scientific works accompanied by a commentary (Point 2b, Section III of the 'Rules'). Considering the thematic breadth of the field, the commission does not set uniform minimum limits of the scientometric data; the value of these parameters is judged by the commission for each of the applicants individually on the basis of its own analysis. At the same time, it arises predominantly from the data in the database of the Web of Science, or Scopus.

## **2. Materials Required for the Defence:**

Materials listed in the 'Rules':

- a) proof of the successful completion of university education (diploma);
- b) proof of the granting of the academic Ph.D. degree position or proof of the granting of the scientific degree of Candidate of Sciences or proof of the granting of a title of the same standing;
- c) a curriculum vitae with an overview of the scientific work so far;
- d) the list of publications that form the background materials of the dissertation (according to the requirements defined in the 'Rules');
- e) the theses of the dissertation in twenty-five (25) copies;
- f) the dissertation in five (5) copies;
- g) a statement of in what labour relation the dissertation was created;
- h) an expression of your own scientific contribution and share of the work if the scientific results listed in the dissertation were acquired with co-authors;
- i) written opinions of two Doctors of Sciences or Professors (See Art. III, Sect. 4);
- j) if the applicant presents a new dissertation in the same field in a new proceedings for the granting of a scientific title, a statement of who issued the denial decision, the title of the original dissertation and the definition of the differences between.

*As a specific elaboration of the requirements of the Rules*, the commission requests that:

- a) the applicant at the time of the submission of the application be the author or co-author of at least twenty (20) works in scientific journals registered in the Thomson Reuters Web of Science database and reached a value of the h-factor listed in the same database of at least 5 and
- b) that the written opinions of at least two doctors of sciences or professors as per Point i) came from internationally recognised scientists, preferably from foreign workplaces of countries with advanced science in the field of the dissertations; the authors of these opinions may not be co-authors of publication in which the dissertation is based.

15 October 2008

Prof. Ing. Jiří Čtyroký, DrSc.,  
Chairperson of the Commission

Discussed and approved on 15 October 2008 by the Panel for the 'Doctor of Sciences' Degree.

prof. RNDr. Antonín Holý, DrSc.  
Chairperson of the Panel  
for the 'Doctor of Sciences' Degree