

The Principles of the 'Geophysical Sciences' Commission for the Evaluation of Dissertations and the Person of the Applicant 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 the 'Doctor of Sciences' Degree, and governed by the Regulatory Procedure to the Rules for the Granting of the 'Doctor of Sciences' Degree.

I. General Criteria for the Evaluation of the Dissertation and Person of the Applicant

1. Dissertation

A dissertation can be considered as:

- a) an independent original work summarising and developing the author's contribution in the given scientific field.
- b) a compact collection of original, already published scientific works by the applicant connected by an accompanying text explaining the background and contribution of the published studies for the given scientific field and generalising the author's results.
- c) a component of the dissertation may be also research on and the implementation of a unique scientific apparatus or equipment or new diagnostic or otherwise universally utilisable methods.

The following cannot be submitted as the dissertation:

- a) works that were used in acquiring the scientific degree of CSc., or the Ph.D.
- b) habilitation work used for acquiring the scientific-pedagogical position of reader or associate professor (*docent*).
- c) work submitted before 31 December 2001 for acquiring the scientific degree of DrSc., which it was possible to defend successfully (with the exception of cases when it led to administrative delay uncaused by the applicant).

2. Who Qualifies as an Applicant

The applicant for the 'DSc.' degree must be a clear-cut, internationally recognised individual, whose scientific results represent an original contribution in the given scientific discipline, and who has successfully trained at least one doctoral or candidate of sciences. The commission will evaluate the person of the applicant using scientometric criteria. The publication activity of the applicant is proven by the submission of a list of at least fifty (50) publications of which at least thirty (30) have been published in international professional journals with a review procedure, and presents at least 60 citation responses excluding all self-citations. In the case of publications with an authorial team, it is necessary to add a statement by the co-authors on the percentage share of the applicant.

Also other information completing the person of the applicant like awards of the scientific work of the applicant (invited lectures abroad, awards, honorary doctorates, medals, honorary memberships) will be taken into account, i.e. whether the applicant has been the investigator of domestic or international grants or projects, the organisation of scientific conferences, membership in the editorial council of

international journals, activity in the bodies of international scientific organisations, long-term scientific internship abroad, implementation of the results of scientific examination in work and so on. All of these facts are attested by the applicant in his/her scientific curriculum vitae.

3. Selection of Opponents

The submitted dissertation will be evaluated by at least three opponents. A minimum of two of the opponents must be professors or doctors of sciences. None of the opponents may be a direct supervisor or subordinate of the applicant or his/her immediate co-worker and should not be a co-author of the works submitted as a part of the dissertation.

4. Co-Authorship

Should the applicant submit as the dissertation a collection of published works of which some were published with co-authors, he/she must mark in commentaries his/her share and attach a statement by the co-authors who confirm the authorship of the applicant in the marked parts and evaluate his/her share in the results achieved.

II. 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.

Besides the above-mentioned materials, the commission requires the presentation of the following supplementary materials: (here it is possible to name the materials complementing the basic requirements shown above, according to the decision of the commission.

- k) a full and synoptic list of the citation responses to the works of the applicant,
- l) a written statement and confirmation by the co-authors of the share of the applicant in the creation of the joint work, if this forms the background material of the dissertation (see h),
- m) further information that the applicant considers appropriate to share with the Commission in connection with the defence of the dissertation (if it was not already listed in the curriculum vitae)

13 February 2009

RNDr.Vladimír Čermák, DrSc.
Chairperson of the Commission

Discussed and approved on 12.03.2009 by the Panel for the 'Doctor of Sciences'
Degree.

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