ROSKA TAMÁS DOCTORAL SCHOOL OF SCIENCES AND TECHNOLOGY

OPERATING REGULATIONS[1]

In addition to statutory provisions, these regulations also take into account the guidelines set forth in the following documents:

· The MAB's accreditation evaluation criteria, self-assessment criteria (2019/6/VIII/1), and rules of procedure (2019/7/IX/1);

· The recommendation adopted by the ODT at its meeting on February 12, 2016, and amended at its meeting on April 15, 2016: "General Principles and Rules of the Comprehensive Examination";

· The ODT's proposal of November 22, 2019, on quality assurance: "Proposal for the Formulation of Quality Objectives and Indicators".

These regulations are in accordance with the PPKE University Doctoral Regulations (EDSZ), the Academic and Examination Regulations (TVSZ), and their faculty-specific supplements applicable to PPKE-ITK.

Section 1. Basic Information on the Doctoral School:

Name of the university operating the doctoral school: Pázmány Péter Catholic University

Name of the doctoral school: Roska Tamás Doctoral School of Sciences and Technology

Address of the doctoral school: 1083 Budapest, Práter utca 50/A

Year of establishment of the doctoral school: 2001

Year doctoral training began: 2002

Location of doctoral training: Budapest

Head of the doctoral school: Dr. Gábor Szederkényi, DSc, university professor

Name, position,

email address, and phone number of contact person: Dr. Tivadar Vida, office manager

doktori.iroda@itk.ppke.hu and phd@itk.ppke.hu

(+36-1) 886-4700

Languages of the doctoral program: Hungarian, English

Field of study classification of the doctoral school: engineering sciences

natural sciences

Disciplines of the doctoral school

[1] Provisional translation, in case of dispute, the Hungarian text shall prevail!

biological sciences

information science

electrical engineering

Names of doctoral programs 1. Bionics

2. Physical and virtual cellular computers

3. Optical devices, nanoelectronic technologies

4. Human language technology

5. In-vehicle navigation systems

including: research area 1. Bionics, bio-inspired wave computers, neuromorphic models

2. Computing based on kilo-processor chips, sensor and actuator analog computers, virtual cellular computers

3. Feasibility of electronic and optical devices, molecular and nanotechnologies, nanoarchitectures, diagnostic and therapeutic tools of nanobionics

4. Human language technologies, artificial intelligence, and telepresence

5. Research on in-vehicle navigation systems

The title of the doctoral degree awarded is PhD

Section 2 (1) The core faculty member conducts mandatory and elective courses that fit within the doctoral school's program, as well as seminars preparing students for scientific work, as part of the doctoral school's organized training.

They are required to evaluate these in the manner specified in the doctoral school's training plan.

(2) A faculty member must have a current doctoral thesis topic and, based on this, must responsibly supervise and assist doctoral students working on the topic in their studies, research work, and preparation for obtaining their degree.

(3) The core member's scientific activity and the publication of their own research results (in scientific journals, anthologies, monographs, and at domestic and international conferences) must be continuous, and the results appearing in these publications shall be evaluated based on works listed in the Hungarian Scientific Works Repository (MTMT) database.

Section 3 (1) The Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology approves the doctoral supervisors of the doctoral school and their research proposals. In cases where it is professionally justified, dual (co-)supervision may be approved within the doctoral school.

(2) If, for any reason (illness, stay abroad, etc.), a supervisor is unable to fulfill their duties for a period longer than one academic semester, they are required to notify the Council, which shall propose a substitute supervisor.

(3) If the supervisor fails to fulfill their duties, following a determination by the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology – either on the initiative of the head of the doctoral school or at the request of the doctoral student – the head of the doctoral school shall propose a new supervisor, subject to approval by the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology. In more serious cases, based on the decision of the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology, such a former supervisor may not undertake further supervisory duties at the doctoral school.

(4) The supervisor is obligated to continuously improve his or her scientific and professional competence and to set an example through his or her professional and scientific work.

(5) The supervisor(s) shall evaluate the doctoral students' academic progress based on the courses specified at the beginning of the given semester and through a substantive assessment of their mid-term reports.

(6) For thesis proposals announced at the interdisciplinary boundaries of the scientific fields cultivated within the doctoral school, at the initiative of the supervisors, there is an opportunity once during the program for the doctoral school council to consider and approve—in the case of dual supervision, based on the statement of both

– following a statement from the supervisors, the doctoral school council may consider and approve a change to the classification according to the discipline determined at the time of the student's admission, as set forth in the statement. The supervisor's statement must include the supervisor(s)' position—briefly summarizing the student's research to date—regarding which field of study (engineering or natural sciences) and which discipline (electrical engineering, computer science, or biology) the student's dissertation can be classified as new scientific results. A mandatory prerequisite for the reclassification of the student's research by discipline is the student's multidisciplinary master's degree. Determining whether this mandatory prerequisite is met falls within the competence and responsibility of the doctoral school council.

Section 4 (1) The appointment of faculty members of the doctoral school is approved by the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology upon the recommendation of the head of the doctoral school, while the dean of the Faculty of Information Technology and Bionics is authorized to establish an employment or contractual relationship.

(2) The instructor is required to evaluate the courses and seminars they lead in the manner specified in the doctoral school's curriculum.

(3) The instructor is required to continuously improve their scientific, professional, practical, and pedagogical competence, and to set an example through their teaching work.

(4) Full members and instructors of the doctoral school may also accept teaching assignments at other doctoral schools.

(5) The employment of full members, thesis advisors, and instructors of the doctoral school must be terminated upon reaching the age of 70. Those Professors Emeritus who are actively engaged in research may continue to perform their duties at the doctoral school as part-time instructors.

(6) The duties of instructors:

a) fulfill the teaching duties for the courses they teach;

b) fulfill administrative obligations related to the course toward the doctoral school (submitting syllabi and reading lists electronically before the start of the semester; maintaining student attendance records; managing exam papers; performing teaching-related administrative tasks specified in these regulations arising from the NEPTUN system, etc.).

Section 5 (1) The Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology operates to perform the tasks related to doctoral education and the doctoral degree conferral process, as defined in the relevant state regulations and the University's doctoral regulations.

(2) The Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology shall consist of no fewer than ten and no more than seventeen members.

(3) The Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology shall include a student representative who is an active doctoral candidate enrolled in a doctoral program.

(4) Non-student members of the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology must hold a university professorship or a doctorate from the Hungarian Academy of Sciences (MTA).

(5) The term of office for members with voting and deliberative rights may be renewed multiple times. The term of office of members of the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology shall terminate:

a) upon the expiration of the term of office;

b) upon resignation and its acceptance;

c) upon termination of the employment relationship on which membership is based;

d) upon the termination of the student status on which membership is based;

e) upon the death of the member.

(6) Members of the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology are bound by a duty of confidentiality regarding the deliberations and votes conducted on individual matters.

Section 6. The Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology has the following duties and responsibilities:

a) matters related to the subjects of the theoretical portion of the comprehensive examination (major and minor subjects of the theoretical portion of the comprehensive examination and their syllabi);

b) the announcement of topics for organized training;

c) the approval of thesis advisors, with particular regard to the requirement that a thesis advisor must be a person who, after obtaining a doctoral degree, can demonstrate at least the same level of achievement as that attained prior to obtaining the doctoral degree;

d) approval of the work plan and progress report of doctoral students participating in the organized program; the work plan and progress report shall include the research and study plan and report, and the work plans and progress reports produced during the semesters shall constitute the students' individual curriculum;

e) approval of work plan amendment requests submitted by doctoral students participating in organized training;

f) decision on modifying the classification by discipline of research topics announced at the boundaries of the scientific fields cultivated within the doctoral school;

g) decision on the acceptance of applications for the comprehensive examination;

h) review of credit transfer requests;

i) allocation and use of grants within the doctoral school that fall under its jurisdiction.

Section 7 (1) The Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology shall meet as necessary, but at least once every semester.

(2) Minutes shall be taken of the meetings of the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology, which shall be made available to the faculty and students of the doctoral school no later than five working days after the meeting and shall be filed in the doctoral school's archives.

(3) The materials required for agenda items requiring a decision at the meetings of the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology must be made available to members at least two working days before the meeting, which may be done electronically. The date of the meetings, together with the agenda, must be communicated to the members at least five working days before the meeting.

(4) Documents, certificates, and attestations required by the University's doctoral regulations and pertaining to matters requiring a decision by the Multidisciplinary Doctoral and Habilitation Council in the fields of Technology and Sciences must be submitted in one printed copy—and, if possible, also in electronic form – to the secretary of the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology at least seven working days prior to the meeting, accompanied by a request for a decision addressed to the chair of the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology.

(5) In justified cases, the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology may also make a decision electronically (via email), upon the recommendation of the Chair or Vice Chair of the Multidisciplinary Doctoral Council for Sciences and Technology.

Section 8. The Multidisciplinary Doctoral Council for Sciences and Technology shall perform the duties of the Council of the Roska Tamás Doctoral School of Sciences and Technology.

Section 9. The head of the doctoral school shall have the authority to decide on:

a) granting permission for deferred course registration or course withdrawal;

b) authorizing deferred enrollment/registration, provided that enrollment or registration as an active student for the first semester is not possible after October 15, and for the second semester after March 15.

Section 10 (1) The secretary is a person who assists the head of the doctoral school in their work.

(2) The duties of the secretary are:

a) to maintain contact with faculty members and researchers;

b) coordinates teaching and the work of the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology;

c) performs administrative tasks related to the operation of the doctoral school.

Section 11 (1) The University Doctoral and Habilitation Council, upon the recommendation of the head of the doctoral school—which is submitted for approval to the University Doctoral and Habilitation Council by the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology — shall establish an admissions committee consisting of at least three members to conduct the admissions procedure for the doctoral program.

(2) Members of the admissions committee may be full members and emeritus full members of the doctoral school.

(3) The majority of the members of the admissions committee shall be university professors; members who are not university professors shall hold a habilitation or a doctorate from the Hungarian Academy of Sciences (MTA).

(4) At least one member representing each of the doctoral school's scientific fields shall serve on the admissions committee.

(5) The duties of the doctoral school's admissions committee are as follows:

a) to propose the publication of the call for applications for admission to the doctoral program;

b) to receive and evaluate applications for admission, and in this context—if necessary—to request the submission of missing documents;

c) to conduct oral interviews with applicants;

d) to rank the applicants and make recommendations regarding their admission.

Section 12 (1) Admission to the doctoral program is granted through an admission procedure.

(2) The doctoral school organizes an admission procedure twice a year. Applications may be submitted annually by May 31 and December 20 at the Doctoral and Habilitation Office. As part of the written application, the applicant must submit a brief, 1–3-page document outlining their achievements to date, their proposed research topic, their plans, and a brief statement from their mentor (a former instructor or the proposed academic advisor).

(3) The oral admission procedure is generally held in early July or during the second week of January; applicants must be notified of the decision by August 1 and February 20, respectively.

(4) Requirements for admission to the doctoral program:

a) a master's degree with a grade of at least *good* or *cum laude*;

b) a B2-level comprehensive language proficiency in a foreign language necessary for research on the chosen topic, or a state-recognized language exam equivalent to that level;

c) sufficient professional knowledge of the chosen topic;

d) a score of at least 80 points in the admissions process;

e) Demonstrated initial academic/professional achievements (e.g., TDK thesis, publication) are considered an advantage.

(5) During the admission process, the admissions committee evaluates applicants' performance based on the following four criteria, with a maximum of 100 points available:

a) Diploma and final exam (maximum points available: 40 points):

1. Diploma: good – 25 points, excellent – 30 points,

2. Final exam: 5 points for a grade between 4.0 and 4.5, 10 points for a grade above that.

b) Language proficiency (maximum 10 points): A B2-level comprehensive English language exam or a state-recognized language exam equivalent to it is mandatory; otherwise, each additional B2-level comprehensive exam or state-recognized language exam equivalent to it is worth 5 points, a C1-level comprehensive state-recognized language exam or one deemed equivalent is worth 10 points, provided that points may be earned for only one such exam per language.

c) A maximum of 20 points may be earned for initial research activity. This includes TDK placements (top three national placements: max. 20 points; top three faculty placements: max. 15 points), journal articles (peer-reviewed foreign journal articles: max. 20 points), conference proceedings, and any patents.

d) Researcher's mindset and objectives (maximum 30 points) In this context, knowledge of the major publications in the field, the formulation of an unsolved problem, and an understanding of

how to distinguish between research and development tasks form the basis for the interview and the determination of the score.

(6) The admissions committee establishes a ranking based on the scores. The Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology decides on admission, the form of funding, and the amount of funding, taking financial resources into consideration.

(7) The Faculty of Information Technology and Bionics enters into a student training contract with non-state scholarship students upon the recommendation of the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology.

(8) For applicants under the Stipendium Hungaricum Scholarship or the Scholarship Program for Christian Youth, the oral admission interview may also be conducted via remote interview (e.g., Skype).

(9) Applicants for state-funded scholarships and self-funded programs participate in the admission process under the same requirements and conditions.

(10) Applicants must be notified of the admission decision within eight days. The admission decision must specify the conditions for participation in the program, and admitted doctoral students must be informed of the location and date of enrollment, as well as any other requirements necessary for enrollment.

(11) The University shall make the data of admitted doctoral students available to the National Association of Doctoral Students, provided that the individuals concerned have consented to this in their declaration on the application form.

Section 13 (1) Doctoral courses completed at other doctoral schools—including foreign universities

– may be counted toward the program's academic credits based on a work plan approved by the Multidisciplinary Doctoral and Habilitation Council in the field of engineering and natural sciences, upon the recommendation of the supervisor. The Multidisciplinary Doctoral and Habilitation Council in the field of engineering and natural sciences Habilitation Council.

(2) Students' individual study plans are contained in their semester work plans and reports. Students must submit their semester work plans and reports both electronically and in printed form—the latter to be signed by the supervisor, advisor, and program director in addition to the student. This obligation remains in effect throughout the doctoral program.

Section 14 (1) A doctoral student may be dismissed for failure to meet their academic progress requirements, with particular regard to the following cases:

a) in the event of a failing evaluation of study abroad periods that are permitted with the supervisor's support and at the student's request and that count toward the degree,

b) failure to submit the semester work plan approved by the supervisor by the specified extended deadline despite a warning from the Doctoral Office, and

c) a statement by the supervisor regarding withdrawal from supervision that evaluates the doctoral student's academic progress as unsatisfactory.

In the cases listed above, as well as those specified in Section 16(4), the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology shall decide on the dismissal.

(2) A student who has been dismissed with final effect is required to immediately settle accounts for any university-owned tangible assets in their permanent possession following the termination of their student status. In the event of failure to settle such accounts, the relevant provisions of the Civil Code shall apply.

Section 15 (1) A doctoral student may, as specified below, participate in a study abroad program while maintaining active student status, based on a work plan approved by the doctoral advisor that ensures the integration of the given study period into the doctoral program.

(2) Based on a request from the doctoral student—supported by the supervisor—the student may participate in a study abroad program that counts toward their studies even while maintaining passive student status.

(3) The Multidisciplinary Doctoral and Habilitation Council in Technology and Sciences may stipulate the fulfillment of additional requirements as a condition for counting the period of study abroad toward the duration of the doctoral program.

Section 16 (1) The training and research period is based on the completion of coursework, active participation in a series of research seminars, and teaching activities.

(2) The educational activities of doctoral students and the credit points awarded for them are governed by the Training Plan.

(3) During their studies, students may request a rescheduling of the completion of a teaching course once, by submitting a written request by the last day of the regular study period of the semester preceding the affected semester.

(4) The doctoral student conducts individual research under the supervision of the advisor. The advisor evaluates the doctoral student's research activities for the semester in writing at the end of each semester. The written evaluation may also be submitted electronically. In addition to the doctoral student, the head of the doctoral school shall also receive the written evaluation. The supervisor's evaluation of the semester's research may serve as a basis for the head of the doctoral school to initiate further evaluation measures, e.g., a resolution by the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology. The supervisor must justify both the high commendation and the failing evaluation in writing or in electronic form. A failing evaluation is equivalent to a written warning for the student. After two consecutive failing semester evaluations, the student may be dismissed from the doctoral program.

(5) Credit points may be awarded in the doctoral program:

a) for participation in classroom-based instruction (attendance at lectures, preparation for exams and assignments, supervised independent study, completion of assessments);

b) for progress in scientific research, for the publication of research results in a major international forum, and for patents;

c) for teaching activities, which include mentoring foreign doctoral students arriving under the Stipendium Hungaricum scholarship program.

Section 17 (1) In the doctoral program, an exam is considered passed if the student receives a grade higher than "unsatisfactory" or at least "pass." The first attempt to retake a failed exam is considered a make-up exam, and any subsequent attempts are considered repeat make-up exams (collectively: exam).

(2) A student may retake a failed exam only once during the same academic semester.

(3) At the end of the students' semester reports, the supervisor evaluates the students' performance using a five-point grading scale as well as in written form. The written portion of the evaluation—if the head of the doctoral school deems it necessary—is also recorded in the Neptun system.

(4) The annual report of students participating in the organized program consists of a written and an oral component. No exemption may be granted from the requirement to prepare the written component. The report must be reviewed by the supervisor.

(5) The oral portion of doctoral students' annual reports generally takes place within the framework of a publicly announced student mini-conference, to which all faculty members and students of the doctoral school, as well as representatives of other . The oral portion of the doctoral students' annual reports is open to the public. In justified cases (illness, stay abroad, etc.), the head of the doctoral school may grant an exemption from the obligation to present an oral annual report.

(6) The doctoral student, with the consent of their supervisor, prepares the certification of fulfillment of academic requirements themselves, listing the completed tasks/courses and their academic credits, and the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology approves it. The certificate of completion is then issued by the Doctoral and Habilitation Office of the Faculty of Information Technology and Bionics at PPKE, following a positive recommendation from the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology.

Section 18 (1) The comprehensive examination consists partly of an assessment of the theoretical knowledge acquired and partly of a review of research results: the evaluation of the preliminary work on the dissertation, the student's scientific achievements, and their publication activity. In the first part of the comprehensive examination, the student demonstrates the knowledge acquired in the major and minor subjects specified and selected according to their doctoral subprogram. In the second part of the comprehensive examination, the student demonstrates the fulfillment of their academic and teaching obligations for the first two years, reports on their publication activities, and presents their preliminary dissertation work.

(2) A doctoral student participating in the organized program may, in the fourth semester, request the Multidisciplinary Doctoral and Habilitation Council in Technology and Sciences to approve the

theoretical subjects of the comprehensive examination and to appoint the examination committee.

(3) A doctoral student may retake a failed comprehensive examination once during the same examination period.

Section 19 (1) The research and dissertation phase consists of supervised research activities and preparations for publication. Students must regularly report on the progress of their dissertation through written and oral reports.

(2) The minimum publication requirement for obtaining a doctoral degree is at least two articles published in internationally peer-reviewed foreign-language journals recognized in the field.

In exceptionally justified cases, the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology may decide by a qualified majority to accept, in lieu of one of the articles, a full-length paper published in a prestigious international peer-reviewed conference proceedings or a patent. The existence of the articles shall be verified either by a separate printout or by a letter of acceptance and a copy of the submitted manuscript.

(3) The minimum language proficiency requirement for obtaining a doctoral degree must be demonstrated by at least a B2-level complex state-recognized language proficiency certificate in English, or an equivalent document, as well as an additional in a European language necessary for the pursuit of the discipline.

Section 20 (1) Applicants for the comprehensive examination and the doctoral degree who are applying without prior doctoral training (self-prepared candidates) may submit their application to the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology, along with the required attachments. Prior to accepting the application, the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology shall assess the applicant's expertise in the field, as well as compliance with the minimum publication and language proficiency requirements; and if these are not met, the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology will not approve the application.

(2) For applicants preparing individually, the minimum publication requirements must be met within the last 5 years prior to the submission of the application.

(3) The comprehensive examination must also be organized for applicants applying as individual candidates in accordance with the general requirements and rules.

Section 21. Remuneration for teaching activities is governed by the institutional and faculty regulations of PPKE, as well as the relevant management directives.

Section 22 (1) The Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology shall assess compliance with the minimum publication requirements at the time of submission of the dissertation. If the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology does not determine that the publication requirements have been adequately met, the dissertation may not be submitted for an internal defense (hereinafter: internal defense).

(2) At the time of submitting the publications, the doctoral candidate must attach a co-author statement(s) in the form specified in these regulations (Appendix, Annex 1) from the non-foreign co-authors of the publications meeting the minimum publication requirement. It is not necessary to attach a co-authorship statement from the supervisor(s).

(3) The internal defense of the doctoral dissertation to be submitted must be held at the research site or within the framework of the doctoral school.

(4) Minutes of the internal defense shall be prepared, including an attendance sheet. The attendance sheet shall include the names, places of employment, and academic degrees of the participants.

(5) The doctoral school council shall invite two reviewers (opponents) holding academic degrees to the internal defense. The written opinions of the opponents must be attached to the minutes. At least two full members of the doctoral school or a member of the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology must be present at the internal defense.

(6) All faculty members, students, and graduates of the doctoral school shall receive an invitation to the internal defense.

Section 23 (1) The following persons may not serve on the evaluation committee for the public defense (are excluded): any person who has a supervisory or familial relationship with the doctoral candidate submitting the dissertation, or from whom an objective evaluation of the matter cannot be expected for other reasons, in particular:

a) the doctoral candidate's advisor;

b) a relative or former spouse (partner, fiancé) of the doctoral candidate;

c) the doctoral student's research group leader or immediate supervisor and subordinate.

(2) The chair of the Multidisciplinary Doctoral and Habilitation Council for Sciences and Technology shall decide on the exclusion without delay upon notification by the doctoral student or the person concerned, or upon becoming aware of the matter through other means.

(3) All faculty members, students, and graduates of the doctoral school shall receive an invitation to the public defense.

Section 24 (1) The University Doctoral and Habilitation Council shall decide on the awarding of the doctoral degree based on the percentage result of the public defense (see PPKE University Doctoral Regulations Section 19(6)), using the following calculation method:

aggregate percentage result = (percentage result of the public defense • 2 + percentage result of the theoretical part of the comprehensive examination) / 3

(2) The Multidisciplinary Doctoral and Habilitation Council's recommendation for the awarding of the doctoral degree, based on the aggregate percentage result:

a) 90% and above – *summa cum laude*;

b) 75%–89.99% – *cum laude*;

c) 60–74.99% – *rite*.

Section 25. When applying for the recognition of doctoral degrees obtained abroad, full-time faculty members or researchers employed by the Faculty of Information Technology and Bionics may be exempted from paying the processing fee.

Section 26. Student services at the doctoral school are suspended between August 1 and 20.

Appendix

Appendix No. 1

CO-AUTHOR DECLARATION

I, the undersigned ...., a co-author, hereby declare that .....of our scientific work ... %a / .....is the result of the independent scientific work of doctoral candidate * ……

I declare that I recognize the statements made by …… … doctoral candidate's statements in his/her thesis are his/her own scientific achievements.

Budapest, 20…..

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(signature)

*Please select the appropriate option!