



CALL FOR PAPERS
38th National Student Research Conference
Information and Communication Technology Section

1. General Information, Organizers

Organizer of the event:

Pázmány Péter Catholic University
Faculty of Information Technology and Bionics

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Date of the event: March 22–24, 2027.

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The National Association for Student Research (OTDT), the Information and Communication Technology Section Committee (ICT Section Committee) of the OTDT and the organizing Pázmány Péter Catholic University, Faculty of Information Technology and Bionics hereby announce the Information and Communication Technology Section (ICT Section) of the 38th National Student Research Conference under the conditions of the following call.

The conditions for participation and registration in the ICT Section of the 38th OTDK are set out in the General Call of the 38th OTDK and in this Call of the OTDT ICT Section Committee as well as its Supplement.

As one of the 16 Sections of the 38th OTDK, the ICT Section is an interdisciplinary section, a forum for new advances in the field of computer science. Its primary goal is to provide a shared opportunity for specialists studying in various fields of informatics – such as software engineering, technical engineering, economic and agricultural informatics, and bionics – to present their independent research findings. The ICT Section welcomes TDK papers that contribute to the development of theories, tools, and methods in the diverse areas of informatics.

2. Eligibility Criteria

2.1 Who is eligible to participate

In the 38th National Student Research Conference (OTDK), TDK papers and authors (in the case of multi-author TDK papers, all authors) may participate that meet the conditions specified in the General Call for the 38th National Student Research Conference (details are provided in Supplement 2 of the General Call for the 38th OTDK.)

By submitting an application to the ICT Section, the applicant student agrees to be bound by the Hungarian Academy of Sciences' Code of Scientific Ethics (Resolution 25/2010 (V. 4.) of the General Assembly of the Hungarian Academy of Sciences, available at https://mta.hu/data/dokumentumok/hatteranyagok/tudomanyetikai_bizottsag/tudomanyetikai_kodex_kgy_20100504.pdf), and declares that they have conducted their research activities accordingly. If the research topic requires ethical approval, it is the responsibility of the sending institution to ensure compliance with these requirements.

Study circles from cross-border universities and colleges can participate in the 38th OTDK under the same professional conditions as those in Hungary. Details are available in the General Call of the 38th OTDK.

The conference is also open to secondary school students in Hungary and across borders who present their research results at conferences of higher education institutions or national high school science student conferences (for details see Supplement 4 of the General Call for the 38th OTDK) and are nominated for the 38th OTDK. A detailed description of the participation of secondary school students is available in the General Call of the 38th OTDK.

A thesis produced in the course of continuous TDK activity during BA, BSc and Bprof education, can be entered to the 38th OTDK, if it meets the requirements of the Call and its Supplements and has been presented at a student research conference either during the BA/BSc/Bprof or the subsequent MA/MSc training and has there been delegated to the OTDK.

Compulsory assignments prescribed in the curriculum during university or college studies, seminar papers, as well as – in the case of students in integrated master's or MA/MSc programs – theses already defended by the time of the institutional TDK conference, and scientific works prepared and/or presented by doctoral students after obtaining their university degree may not be submitted to the National Student Research Conference, as they do not fall within the scope of student self-directed research in higher education.

Participation is primarily a form of moral recognition and an opportunity that allows students to present their arguments, engage in debate, exchange views, and gain experience in front of an audience and a professional jury. It prepares students for participation in national and international conferences within their field, and through the evaluation of their own and others' work and presentations, it provides reinforcement and further motivation for research work.

2.2. Formal requirements for participation and evaluation of TDK papers and presentations

Supplement 1 of the ICT Section Call contains the formatting rules to be followed and the elements of the evaluation, with the following details:

- Content and format requirements for TDK papers and abstracts.
- Rules for the presentation of TDK papers in foreign languages.
- Evaluation criteria for the TDK paper and the presentation.
- Rules for the use of AI-based tools.

2.3. Tools used and research ethics considerations

In the abstract of the TDK paper, the student must clearly indicate their own professional contributions. This is particularly important in the case of papers linked to a project or carried out within a group research context; in such cases, the author must clearly indicate what constitutes their own contribution. In addition, the paper must specify which parts involved the use of artificial intelligence and to what extent it contributed to the results.

All artificial intelligence–based tools used in the preparation of the paper (e.g. ChatGPT, Copilot, etc.), as well as the manner of their use (e.g. language editing, figure or code generation, etc.), must be documented by the student in the appendix of the paper in a declaration agreed with the supervisor. Contrary to Supplement 6 of the General Call of the 38th OTDK it is **not necessary** to record and list each individual prompt separately, except in cases where the content of the prompts constitutes a substantive professional contribution to the paper. The declaration included in the paper may be used on the OTDK registration interface during the application process.

The sources and public accessibility level of the data used in the TDK paper must also be documented. The paper and the data contained therein are to be considered public; accordingly, only data that are public or whose publication is legally permitted may be used.

2.4. Rules for the presentation of the TDK paper

Presentation of the paper requires the author's personal attendance at the conference; an exception may be made for students who, **in duly justified cases** (e.g. illness), have notified the Executive Board of the Information and Communication Technology Section in advance by submitting a request. Decisions on the requests are made by the Executive Board. Students granted permission for online participation must present their TDK paper synchronously online during the panel session; however, as a precaution, they must also prepare a video recording of the presentation in advance and submit it at least 3 days before the conference. The video recording will be used only if the synchronous online presentation fails due to technical reasons. If the student is unable to answer the jury's questions due to technical reasons, this will result in a deduction of points in the evaluation.

3. Sessions/topics

3.1. Topics

When registering, students must select the most appropriate category from the following list. In choosing the category, they should consider the significant new computer science-related results presented in their TDK paper.

1. Algorithms
2. Speech and language processing
3. Formal methods
4. Formal languages
5. Hardware and embedded systems
6. Networks
7. Signal processing
8. Image processing
9. Cybersecurity
10. Mathematical methods in informatics
11. Applications of artificial intelligence
12. Artificial intelligence algorithms
13. Intelligent systems
14. Information systems
15. Computer graphics
16. Computer vision
17. Software technology
18. Internet of Things and systems operation
19. Other IT-related topics

3.2. Rules for the establishment of the session assignment

The sessions of the conference are established by the Executive Board of the Information and Communication Technology Section, taking into account the above thematic areas belonging to the Informatics Section, as well as the provisions of the 38th OTDK General Call, with the aim of ensuring broad institutional representation within sessions and a balanced number of TDK papers. The Executive Board reserves the right to redirect papers that do not pertain to the scientific field of the Information and Communication Technology Section – while thanking the applicant for their submission – to a more relevant section of the 38th National Student Research Conference.

Students will be informed about the sessions and the classification of TDK papers via the OTDT online system **no later than one month before the start of the conference.**

4. Application procedure

4.1. Steps of registration for applicants

4.1.1. Pre-registration of TDK papers

Following the student research conference, upload of the TDK paper, and selection of the section within 30 days from the receipt of the email specified in point 4 of Supplement 2 to the 38th OTDK General Call.

ATTENTION! Please note that uploading a TDK paper does not constitute an automatic entry to the 38th OTDK. Applications must be submitted during the registration period, following the steps described in the next section.

4.1.2. The application

Registration period: 16 November 2026 – 13 January 2027 (Wednesday), 16:00 (CET)

Students' tasks during this period are:

- Filling in the information related to the uploaded application.
- Uploading the abstract. Students who are native Hungarian speakers or are enrolled in Hungarian-language programs must upload a Hungarian-language abstract; in other cases, an English-language abstract may also be uploaded.
- On the abstract upload page, providing five keywords that do not appear in the title of the paper.
- Finalizing the application in the OTDT online system.

After the registration deadline for students – 13 January 2027 (Wednesday), 16:00 (CET) – it will no longer be possible for students to upload application documents in the OTDT online system.

4.2. Additional tasks for students who have obtained a pre-degree certificate or are expected to obtain a pre-degree certificate in the semester of registration

Students who obtained a pre-degree certificate between the qualifying institutional TDK conference and the 38th OTDK must declare the date of obtaining their pre-degree certificate

in the OTDT online system during the application process (those who are expected to obtain their pre-degree certificate in the semester of application, after the application deadline, must indicate that they are expected to obtain it in the semester of application).

In the case of students who qualified at ETDK, FTDK, KTDK, or VMTDK conferences, the expected date of finalizing the application to the 38th OTDK must be indicated as the date of the pre-degree certificate, as this has already been verified upon their acceptance to the qualifying conference.

5. Tasks of the TDT Chair in relation to the 38th OTDK

5.1. Tasks following the student research conference

Uploading the documents of the student research conference and sending them to the OTDT Office according to point 3 of Supplement 2 of the General Call for the 38th OTDK.

5.2. Tasks following the participants' registration deadline

- Approval of participant registrations in the OTDT online system (applications are automatically approved, the TDT Chair has to deal with this only if they do not approve an entry).
- Approval in the OTDT online system of the consolidated list containing the approved applications of TDK papers and their authors submitted to the Information and Communication Technology Section, and/or its generation from the online system and signature with a qualified electronic signature, or printing and signing, followed by electronic upload to the OTDT online system.

By approving/signing the consolidated list, the TDT Chairs also declare that all TDK papers and their authors included therein meet the requirements set out in Supplement 2 to the General Call of the 38th OTDK.

Deadline for institutional and faculty TDT Chairs to upload documents to the OTDT online system: **18 January 2027 (Monday) 16:00 (CET). After the deadline it will no longer be possible to upload application documents in the OTDT online system.**

We are unable to accept TDK papers that are submitted after the deadline or do not meet the requirements outlined in the ICT Section Call; such applications will be rejected.

Applications submitted individually are invalid.

6. Registration fee

The registration fees for the 38th OTDK will be determined at a later stage, subject to the availability of funding.

7. The awards that can be granted at the OTDK and the Special Prize of the Session Panel

A certificate of participation in the OTDK will be awarded to all authors and supervisors of each paper presented. In addition, a maximum of one third of the papers presented may be awarded one of the first, second and third places per section, taking into account that a maximum of one entry per session may be awarded first place. The Section Panel may award a special prize to those papers that do not achieve ranking but are judged by the Session Panel to be worthy of recognition on the basis of their professional merit, and which are judged to be immediately behind the winning applications. The authors of the winning papers and those of the papers receiving the Special Prize of the Session Panel will each receive a certificate for the ranking or the Special Prize of the Session Panel.

The total number of winning papers and papers awarded the Special Prize of the Session Panel may not exceed 50% of the total number of papers presented in a section. Further rules on prizes are set out in Supplement 3 to the General Call.

8. Submission of Pro Scientia Gold Medal application

The authors of TDK papers that have been awarded first place at the national conference may apply for the Pro Scientia Gold Medal, provided they meet the additional criteria set out in the call. Details are given in Supplement 5 of the 38th OTDK General Call.

We invite and welcome all interested students and their masters!

Budapest, 21 April 2026.

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Chair of the
ICT Section Committee

Dr. András Horváth
Associate Professor
Chair of the Organizing Committee of the
38th OTDK ICT Section

Supplement:
Supplement 1