



SUPPLEMENT 5 TO THE CALL FOR PAPERS
38TH OTDK
Physics, Earth Sciences and Mathematics Section

1. Genre and ethos of TDK papers

The Section Committee provides recommendations regarding the structure of TDK papers and the focus of the topics presented. The recommendations set out in the supplement cover the target audience of the paper, the content-related emphasis, and the quality of the description of proofs.

2. Purpose of the TDK paper

The primary purpose of a TDK paper is to present and substantiate the author's own scientific results. The paper must present in detail those professional knowledge and methods that go beyond the compulsory curriculum and are necessary to answer the research questions addressed in the study.

3. Target audience of the TDK paper

At the National Student Research Conference, submitted papers compete within panels. In some cases, a panel may bring together several closely related fields. Accordingly, the aim is to ensure that each of these fields is represented in the Session Panel. The target audience of the paper is therefore the potential composition of the Session Panel, which is broader than the specific topic of the research. For this reason, the Section Committee recommends that TDK papers address a more general audience than those who publish in the given field.

4. Structure and genre of the TDK paper

Concepts must be defined in accordance with the target audience. The purpose of the research, its sequential steps, the results, and the proofs must be presented clearly and in a logically coherent manner. For this reason, the genre of a TDK paper differs significantly from that of a journal article. ***In TDK papers, the applied methodology, the results, and the discussion require a much more detailed presentation.*** While journal articles typically assume familiarity with prior results in the field, a TDK paper must also present those elements that are relevant to understanding its own results. Since members of the Session Panel may publish in different journals, this difference from journal articles is an important aspect of TDK papers and requires a more extensive and detailed presentation of logical steps.

Knowledge forming part of the compulsory curriculum need not (and should not) be described in detail in the text; it is sufficient to refer to it, and it may be freely built upon. The focus of the TDK paper should be on knowledge that goes beyond the compulsory curriculum.

The style of a TDK paper is expected to reflect the author's own results. The "Results" section must present findings that have been produced individually (or jointly by two authors) by the author(s) under the guidance of the supervisor. Content elements resulting from the collective work of a research group cannot constitute the individual results expected in a TDK paper, as

the OTDK is a competition for students, not for research groups (whose members typically hold at least an MSc degree). Such jointly produced elements should be incorporated into the introduction or as part of the presentation of the topic, even if the student-author made a significant contribution to them. This differs from the practice in multi-author journal articles, where such elements are a natural part of the presented results.

At the same time, the Section Committee acknowledges the indispensable role of supervisors in TDK research; however, appropriate proportions must be maintained in the division of work.

In light of the above, it can be stated that the optimal formulation and level of detail in TDK papers differ significantly from those of journal articles. The Section Committee therefore asks authors and supervisors to pay due attention to the expected requirements when preparing the paper.

The style of a thesis/diploma work may be much closer to that of a TDK paper; however, such works – especially in research-oriented programs – typically do not include elements beyond the compulsory curriculum, and therefore do not meet the requirements for a TDK paper if the same research results are presented in the master's or integrated master's thesis. A TDK paper *must contain methodology, results, and discussion elements that differ from or go beyond those of the thesis/diploma work, even if they address the same topic.*