

T-Conference

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On November 16, 2023, the first annual T-Conference for high school students took place, where students presented their professional contributions based on research conducted within their student research and professional activities (known as SVOČ). The T-Conference was organized by the Talnet organization, which has long been involved in supporting gifted and talented individuals in the Czech Republic, in collaboration with the Jaroslav Heyrovský Endowment Fund and the Institute of Physical Chemistry of the J. Heyrovský Academy of Sciences of the Czech Republic. The purpose of organizing this conference was to provide high school students with the opportunity to professionally present contributions from various scientific fields (natural sciences, technology, or social sciences). The motivation behind this event is primarily to support the utilization of the potential of the research results obtained from these student works and their presentation to a wider professional audience. The skill of being able to present research intentions and results comprehensibly, yet professionally, needs to be perfected and cannot be improved without real practice, namely presenting

one's research to an audience. For these reasons, in addition to presenters, high school students who are just beginning to consider presenting their professional activities were also invited. The professional level of the contributions corresponded to scientific texts that encompassed both theoretical and empirical foundations. Students presented their often very inspiring topics in various scientific areas. The presented topics covered a wide range of scientific disciplines:

- Nearspace experiments on balloon probes, dosimetry, and cosmic radiation
- Calculation of celestial bodies' positions
- A didactic aid for teaching local history lessons in the village of Nové Sedlo
- Expository experiments as a method of analyzing the limits of algae life
- The influence of canister therapy on fine motor skills and psychological states of seniors
- An experimental study of the La-Ni-Sn system
- The application of a virus and nicotine ligand to the mouse brain
- Electrolytic deposition of metals from solutions

- Self-tinting glass
- Zatlanka Active Citizens and People in Need
- The influence of the duration of hop planting on optimal root biomass formation

Authors had the opportunity not only to present their research findings but also to discuss the benefits of their work with other experts during the discussion period that followed each contribution. Participants also had the opportunity to establish new contacts and meet colleagues who are engaged in similar areas of research. The conference's guest was Daniel Brindžák, who presented the fruit of his professional work in the context of “what professional work gave me and what it took away,” thus creat-

ing a stimulating discussion on both the psychological and physical conditions within scientific activity.

Talnet is an organization that has been dedicated to the development and support of gifted and exceptionally talented students (especially high school students) since 2008. Its activities offer a comprehensive range of professional courses, excursions, expeditions, lectures, camps, and other interesting events with a crossover into different scientific fields. In addition to academic development, Talnet is also dedicated to nurturing the emotional and social development of these students and brings together exceptionally gifted talents in the community.