



# UNIVERSITY OF NOVI SAD TECHNICAL FACULTY "MIHAJLO PUPIN" ZRENJANIN



ITROCONFERENCE<sup>11</sup>  
INFORMATION TECHNOLOGY AND EDUCATION DEVELOPMENT



# ITROCONFERENCE<sup>11</sup>

INFORMATION TECHNOLOGY AND EDUCATION DEVELOPMENT



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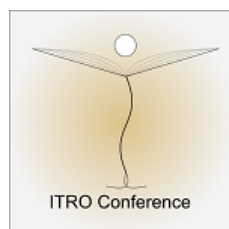
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UNIVERSITY OF NOVI SAD  
TECHNICAL FACULTY "MIHAJLO PUPIN"  
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XI INTERNATIONAL CONFERENCE OF  
**INFORMATION TECHNOLOGY AND  
DEVELOPMENT OF EDUCATION**  
**ITRO 2020**  
PROCEEDINGS OF PAPERS



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**Dragica Radosav, Ph. D, Professor,  
Dean of the Technical faculty „Mihajlo Pupin“, Zrenjanin, Republic of Serbia**

Editor in Cheaf - President of OC ITRO 2020:

**Dragana Glušac, Ph. D, Assistant Professor**

Proceedings editor:

**Marjana Pardanjac, Ph. D, Professor**

Technical design:

**Dusanka Milanov MSc, Assistant**

**Maja Gaborov MSc, Assistant**

**Marko Blažić BSc, Assistant**

**Nemanja Tasić BSc, Assistant**

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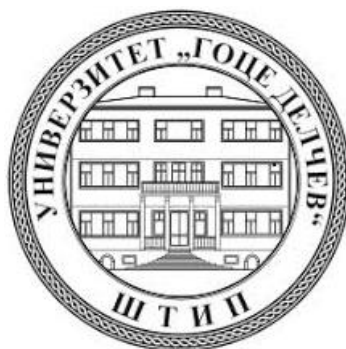


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# INTRODUCTION

For the first time the conference „Information Technology and Development of Education – ITRO 2020“ has been held on line, due to the covid-19 pandemic circumstances. The main goal of the conference was scientific discussion and interchange of information and experiences about the implementation of IT solutions in educational technology and the impact of different kinds of crises on children’s access to quality education. Thematic fields of the conference are aligned with general trends in education, especially in technical sciences.

At the conference, within the poster session and at the plenary presentation, problems and conditions were presented in the following areas: Theoretical and methodological issues of modern teaching, Personalization and learning styles, Social networks and their impact on education, Safety and security of children on the Internet, Curriculum of modern teaching, Methodological issues of teaching natural and technical sciences, Lifelong learning and professional development of teachers, E-learning, Management in education, Development and impact of information technology on teaching, Information and communication infrastructure in the teaching process, Improving the competencies of teachers and students. A significant number of papers were related to the implementation of teaching in the context of the COVID 19 pandemic.

At the end of the conference, and based on the papers of our participants, we conclude that the main focus points of this moment in education, which in one of the papers is called the "digital revolution", are the following:

- intensive work on increasing the level of responsibility of all participants in education,
- intensive work on the digitization of teaching content in order to overcome barriers and problems, of which one is certainly the dominant which is students motivation,
- intensive work on increasing competencies and professional support to teachers in the circumstances of a pandemic, different type of crisis and state of emergency,
- necessity of lifelong learning mechanisms,
- encouraging the research of attributes and relatively simple but sufficiently efficient approaches to assessing the metrics of the usability of educational technologies,
- encouraging the media to play a more active role in presenting the situation in the field of education professionally and objectively.

The ITRO Organizing Committee would like to thank the authors of papers, reviewers and participants in the Conference who have contributed to its tradition and successful realization.

We hope that next year our planet Earth will recover and that we will see each other live at the next conference.

We especially want to pay tribute to our late colleague professor Ivan Tasić PhD, as one of the founders of the ITRO conference. Our team thus suffered an irreparable loss, and his name will forever remain on the pages of the conference proceedings.

Chairman of the Organizing Committee  
Ph.D Dragana Glušac

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