

The Big Book

of online education



for academics
and other teaching
professionals

Gdańsk 2024

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About the E-Tech project

E-TECH, or Comprehensive Project for Distance Teaching Skills and Multimedia Resources for Technical Universities in Europe (2020-1-PL01-KA226-HE-096375) is a project founded by the Erasmus+ Strategic Partnership programme



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The global digital education market is growing at an incredible rate. It enters rapidly not only into homes, businesses and corporations but also into academia, which has to compete with commercial forms of education. The fast adoption of online learning has been greatly helped by the pandemic and enforced social distance. In addition, today's generation of students, especially at technical universities, is increasingly demanding with regard to teaching materials: they expect dynamism, a digital approach and very good visual quality. All of this means that higher ed teachers (with special focus on STEM) need to acquire new skills very quickly. Among the most important competencies are: methodical, design and technical skills to be able to design online education and create e-learning courses at a high quality.

Help is at hand from researchers at the **Gdańsk University of Technology** who, in collaboration with the **Austrian University of Applied Sciences FH JOANNEUM Gesellschaft mbH** in Graz and the Italian **Università Politecnica delle Marche** in Ancona, and with support from **SEA – the Polish Academic E-learning Association**, have set out to develop practical materials and multimedia resources to help teachers across Europe design engaging online education for their students. You can find a full list of great experts who contributed to creating this book at the end of this publication.

The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Many thanks to all those who contributed to this publication.



Photo: Joanna Szakola

Whether we like it or not, the future belongs to hybrid education. Teaching STEM online causes many problems and challenges. We asked a group of experienced academic teachers to share their ways of doing this effectively. I believe such knowledge is invaluable. I recommend reading our book to anyone with a big heart for students and education.

Marek Chodnicki, PhD – E-Tech Project Manager

Writing a friendly book that is full of practical advice, examples and tips is not easy at all. We have tried very hard to ensure that every teacher will find something of value in our publication and will feel inspired to try out new teaching methods. I hope we managed to do it well! Enjoy your reading and good luck!

Alina Guzik, MSc – E-Tech Product Manager

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