



EDUCATE FOR THE FUTURE:
**PBL, SUSTAINABILITY
AND DIGITALISATION**

CALL FOR PAPERS
IRSPBL 2021
8TH INTERNATIONAL RESEARCH SYMPOSIUM ON PBL

AALBORG UNIVERSITY, AALBORG, DENMARK
AUGUST 16-17, 2021



Due to the COVID-19 pandemic, the IRSPBL 2020 conference is re-constructed as a flipped IRSPBL 2020-21. There is a power in gathering physically and sharing experiences, which we will invite for August 16-17, 2021, and we will open for new contributions.

The goal of IRSPBL 2021 is to bring together researchers, practitioners and students to reflect on how PBL practices and research can meet the contemporary challenges and how we can support institutional change and foster educational innovations embracing unpredictable worldwide crises such as COVID19, new digital learning and United Nations Sustainable Development Goals (SDGs).

During autumn 2020 and early 2021, we will organise a series of virtual webinars with paper presentations from the IRSPBL 2020 allowing us to becoming much more interactive when we meet in Aalborg for the IRSPBL 2021.

The SDGs constitute a trend in engineering education. Technology and innovation are part of the solution to achieve a more sustainable world. Consequently, engineering and science students need to learn how to identify, analyse and solve complex sustainable problems. Therefore, the competences of interdisciplinarity, systems thinking, collaboration and complex problem solving are needed for educating for the future. Educating for sustainability requires innovative, student-centred, problem-oriented learning approaches such as PBL. When PBL is intertwined with digitalisation, it unfolds into new ways of organising learning and engineering practice. The combination of PBL and digitalisation hold new and yet unforeseen potentials to address the complexity, flexibility and international collaboration needed in time of crises and to address the SDGs.



United Nations
Educational, Scientific and
Cultural Organization



AALBORG UNIVERSITY

Aalborg Centre for Problem Based Learning
in Engineering Science and Sustainability
under the auspices of UNESCO

The IRSPBL 2021 welcomes research and best practices contributions on one, or more, of the following themes:

- ▶ Sustainability and interdisciplinarity
- ▶ Democracy, diversity and social progress
- ▶ Strategies for digitalised learning
- ▶ Management of change
- ▶ Curriculum design
- ▶ Generating innovative and interdisciplinary knowledge and practices
- ▶ Assessment methods
- ▶ Variety of problems, projects and learning spaces
- ▶ Facilitation in a PBL environment
- ▶ Blended PBL learning environments
- ▶ PBL and entrepreneurship
- ▶ PBL for continuing professional development

IRSPBL 2021 OFFERS TWO TYPE OF SUBMISSIONS, ORGANISED IN TWO TRACKS:

A PBL practice track targeting best practice papers.

A PBL research track targeting research and conceptual papers.

All contributions go through a process of blinded peer-review. The accepted papers will be published in proceedings e-book and presented during the conference through an active poster session. The IRSPBL proceedings series are indexed in SCOPUS.

IMPORTANT DATES

ABSTRACT SUBMISSION: **DECEMBER 5, 2020**

FULL PAPER SUBMISSION: **MARCH 1, 2021**

FINAL SUBMISSION: **APRIL 25, 2021**

For further information for the conference: <https://www.irspl2021.aau.dk/>
The IRSPBL 2021 is held in conjunction with PBL 2021, the PANPBL International Conference
August 17-19 at Aalborg University
(Contact email: irspl2021@aa.dk)