

## How much science does teacher professional development need? Professionalization in the digital and AI-shaped world

### Call for Paper - Abstract

Advancing digitalization and transformation processes open up a wide range of opportunities for professional development and for redesigning teaching methods and didactics. The fifth conference in the series "How much science does teacher professional development need?" focuses on the professionalization of teachers in a digital and AI-shaped world.

It is hard to imagine our everyday lives without digital devices and technologies - and the presence of artificial intelligence (AI) is also increasingly shaping our lives. Whether it's personalized advertising, individual messages or recommendations in the browser - AI is being used in more and more areas and is changing the everyday lives of many people.

However, these developments also raise questions that remain of central importance: What characterizes effective professional development? What characterizes effective learning and instruction?

Digitalization and AI technologies offer new methodological and didactical approaches for designing effective professional development or implementing good and effective teaching practices. The questions are how these (new) digital tools can be used effectively (in terms of learning) and what digitalization-related skills teachers need.

At present, these questions cannot be answered adequately (yet). They require the exchange and joint reflection of different actors from research, professional development, teacher training, politics and practice.

The conference will focus, for example, on the following specific questions (not exhaustive), which can be addressed in various contribution formats (see below):

- What opportunities and challenges do digitalization and AI technologies offer for the professionalization of teachers?
- What formats support teachers to take part on continuous professional development about the progress of digitalization and implement effective teaching activities?
- How can schools and teaching benefit from the potential of digitalization and AI, and where are the limits?
- What skills do teachers need to prepare students for a digital and AI-shaped world in a way that offers them equal opportunities?

With its various formats, the conference aims to provide a place to discuss these challenges and opportunities together. We invite colleagues from research, professional development, teacher training or school practice to contribute to the conference. The many different contribution formats do justice to the diversity of the participants and a contribution can be made at any academic age and with diverse practical experience.

Our **keynotes**, held by **Prof. Dr. Katrin Kraus (University of Zurich)** and **Prof. Dr. Dirk Richter (University of Potsdam)**, provide input on the professionalization of teachers in a digital and AI-shaped world that will stimulate reflection and discussion.

## Formats

- Individual contributions/Paper (30 min incl. discussion)
- Discursive formats (e.g. round table, workshop, topic forum, 60 min)
- Symposia (3 paper presentations and discussion, 90 min)
- Poster/Demo
- PED-Talk: Short pedagogical talk (10 min)

**We look forward to your contributions!**

## Important dates

Open Call for Papers	Early April 2025
Deadline Call for Papers	May 30, 2025
Feedback on the submissions	June 2025
Registration for the conference (limited number of participants)	from July to September 30, 2025

## Conference homepage (will be updated continuously)

<https://www.phsg.ch/en/lehrpersonenfortbildung>.

## Event team

### St. Gallen University of Teacher Education

Dr. Lena Hollenstein  
Dr. Josef Buchner

### University of Education Freiburg

Prof. Dr. Lars Holzäpfel

### University of Kassel

Prof. Dr. Frank Lipowsky

### University of Regensburg

Prof. Dr. Karsten Rincke

## Contact

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## Information on the contribution formats

### General information

A maximum of 2 contributions per person may be submitted as a presenter.

### Single Paper

Single paper consists of a presentation of 15-20 minutes and a time of 10-15 minutes for questions and discussions (total duration per paper presentation: 30 minutes, including changes).

### The following must be submitted:

- Authors with institutional affiliation
- Title of the contribution
- Summary (max. 1500 characters incl. spaces)
- max. three relevant sources or references (do not count for character limit)
- Keywords (do not count for character limit)

### Discursive formats

These formats offer the opportunity to discuss issues and research in a more interactive way or to present them in an explicitly practice-oriented and dialogical manner. Methodical formats include round tables, workshops, thematic forums, etc.

- **Round Table:** At a round table, experts and the participants discuss a specific topic. The contributors are responsible for selecting the experts and moderating the discussion.
- **Thematic forum:** In a thematic forum, scientific input is given on an issue, followed by a moderated discussion with all participants. It is advisable to provide an overview and suggestions for discussion in the introductory presentation.
- **Workshop:** In a workshop, a method or material can be presented that the participants (if possible) can also try out and test. A discussion about its use, benefits and effectiveness should be encouraged and moderated by the submitters.

90 minutes are available for discursive formats. The chosen methodological specification will be determined by the submitters and presented in a short description via Conftool.

### The following must be submitted:

- Names of contributors with institutional affiliation
- Title of the contribution
- Summary of content and methodological concept (max. 3000 characters incl. spaces)
- max. six relevant sources or references (do not count for character limit)
- Keywords (max. 5; do not count for character limit)

### Symposia

Symposia combine several contributions with a common thematic focus. They consist of three individual contributions and a discussion, which can also take place in several places at. A chair from the group of submitters is responsible for organizing and conducting the symposium. A total of 90 minutes is allowed for symposia.

#### The following must be submitted:

- Name of the chair with institutional affiliation
- Title of the symposium
- Abstract of the symposium (explanation of the overall question and brief description of the individual contributions (2500 characters incl. spaces)
- max. six relevant sources or references (do not count for character limit)
- Keywords (for the individual contributions and the overall abstract; do not count for character limit)
- In addition, the following must be submitted for each individual entry:
  - Authors with institutional affiliation
  - Title of the contribution
  - Summary (max. 1500 characters incl. spaces)

### Poster and demo session

The submitted posters and demos will be presented and discussed in a separate session. The posters must be printed in DIN A0 and portrait format. Demos present a concrete application (AI tool, digital platform, etc.) and/or concrete teaching activities / concrete further education activities related to education in the digital and AI-shaped world. Demos should have a strong connection to educational practice.

#### The following must be submitted:

- Authors with institutional affiliation
- Title of the poster / demo
- Summary (max. 1500 characters incl. spaces)
- max. three relevant sources or references (do not count for character limit)
- Keywords (max. 5; do not count for character limit)

### Short educational talk (PED-talk)

This 10-minute talk is based on the concept of the TED presentation - short and simple. Speakers who choose this type of presentation should take the audience on a journey, tell a story and stimulate the audience's imagination. The format is ideal for anyone who wants to present a new, often personal, thought-provoking idea, topic or approach. The short presentations should be personal, narrative and deal with a topic that the presenter knows well and cares about. Any unnecessary information will be removed from the presentation to save time.

Every second counts in this short 10-minute presentation. The short presentation is given without notes or slides. The submitted presentations will be put together in groups of 5. Attention will be paid to the best possible thematic fit. After the 5 presentations, the group will be given a further 10 minutes to answer questions.

#### The following must be submitted:

- Authors with institutional affiliation
- Title of the PED-talk
- Summary (max. 1500 characters incl. spaces) with the following content:
  - The chosen topic
  - Personal reasons for choosing this topic