

Conference dates

19-20 January 2015

Conference language

English

Venue

TU Dortmund University, Internationales
Begegnungszentrum (IBZ), Emil-Figge Str. 59,
D-44227 Dortmund, Germany

Conference chairs

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Registration until 20/12/2014

Cornelia Boskamp

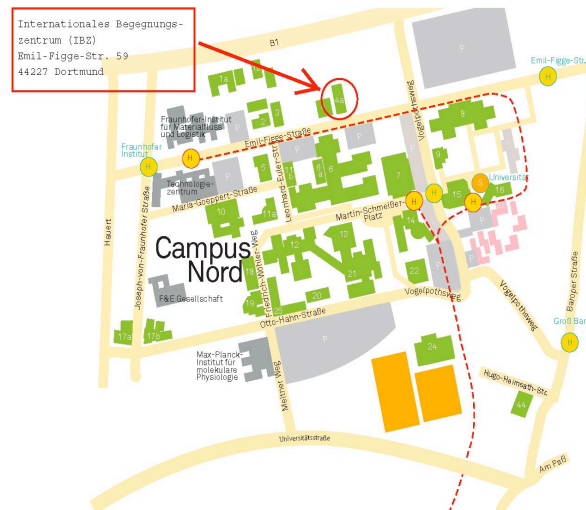
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Further information

A second announcement will follow
end of December 2014.

Conference fees

None. Travel costs, accommodation and social
events are the responsibility of the participants.

**Save the Date**

**International Symposium on
Didactical Design Research**



**All contributions will be presented by invited
lecturers.**

The symposium is organized by the
interdisciplinary graduate school

funken Forschungs- und
Nachwuchskolleg

to be held at the
TU Dortmund University
January 19 - 20, 2015

(First Announcement)

Rationale

Research in education and subject didactics traditionally covers a wide range of topics and methods. At the one end of the spectrum one finds approaches which try to understand and to describe learning issues and learning processes in detail. At the other end we find projects focusing on developing and modifying learning environments. Design Research approaches all over the world started to combine both aims more consequently in order to overcome the gap between theory and practice. However, many differences between the concrete design research studies exist.

In 2010, the Dortmund Technical University established the research college and graduate school FUNKEN, which joins these efforts by establishing a program of Didactical Design Research. 20 PhD Students from different subject didactics (Biology, Chemistry, English, German, Mathematics, Music, Religion, Special Needs Education, Sports) and two postdocs work (or worked resp.) within this program with their topic-specific projects. They share a research agenda consisting of four working areas: (a) Specifying and structuring learning goals and contents, (b) Developing the design, (c) Conducting and analysing design experiments (d) Developing local theories on teaching and learning processes.

The symposium will be a forum for discussing both, the state of the art of Design Research and the contributions of the Dortmund group. It develops strands for future research.

Main questions of the symposium will address

- What are the principles of Design Research and how do they meet the challenges of classrooms?
- What can we learn from examples of good Design Research practice from different countries?
- What are the challenges, benefits and risks of Design Research approaches, compared to other research approaches?
- How can we succeed in bridging the gap between theory and practice by Design Research?
- What kind of problems do we have concerning implementing new curricula into school practice?

Key Lectures will be given by

Cornelia Gräsel (Wuppertal)

The neverending story: Didactical Design Research and the transfer to schools

Nienke Nieveen (Enschede)

Curricular Design Research and the Challenges of Educational Change

Koeno Gravemeijer (Eindhoven)

Design Research as a Research Method in Mathematics Education

Susanne Prediger (Dortmund)

Topic-specific didactical design research - a model for many subject didactics

Dortmund University of Technology

TU Dortmund University, located in the West of Germany, has been researching and teaching at the global intersection between man, nature and technology since its establishment in 1968. It has developed a unique profile with a special combination of faculties in the natural sciences and engineering, the social sciences and the humanities. This structure produces new knowledge, methodologies and technical innovations. It also provides deep insights into how technology drives cultural change. All this is achieved through a wide spectrum of innovative research and in more than 60 bachelor's and master's programs including a broad-based teacher training curriculum.

Modern research is interdisciplinary – a principle to which all TU Dortmund faculties subscribe. This is especially visible in the profile areas established by the TU Dortmund University. One of the profile areas focuses *Youth, School and Education Research*, providing significant impulses for national and international educational policies.