



**6th INTERNATIONAL DOCTORAL CONSORTIUM ON
INFORMATICS ENGINEERING EDUCATION
RESEARCH
IEER**

**International annual event, organized since 2010 by the Vilnius
University Institute of Mathematics and Informatics**

Organisers:
Prof. dr. Valentina Dagiene, chair
Dr. Anita Juškevičienė
Lina Vinikienė

December 8–12, 2015
Druskininkai, Lithuania

The Sixth International Doctoral Consortium is organized by Vilnius University Institute of Mathematics and Informatics on December 8–12, 2015 in Druskininkai, Lithuania.

The aims of the Doctoral Consortium are:

- To offer a friendly forum for doctoral students to discuss their research topics, research questions and design in the field of computing education / educational technology – informatics engineering and education.
- To receive constructive feedback from their peers and senior researchers, to help with choosing suitable methodology and strategies for research.
- To support networking with other researchers in the informatics engineering education research field.
- To discuss any relevant questions related to research and academic life.

Participants

The doctoral consortium is designed primarily for students who are currently enrolled in any stage of doctoral studies with a focus on informatics / informatics engineering / computing education research. Students, who are considering doctoral studies but not have yet a formal doctoral student researcher status, may participate as well.

Senior researchers in the field will provide feedback and suggestions for improvement of the research proposals.

Requirements

Each participant should submit a document, which includes the following information:

- a brief background of the applicant including information about prior studies, research topic, publications if any, and possible teaching experience;
- a summary of his/her research, including motivation, any relevant background, and main literature to contextualize the research, research questions, methodologies used or planned, and possible results obtained;
- questions related to the research that the applicant would like to discuss and get feedback on in the doctoral school.

The summary will be made available for other participants of the doctoral school to allow providing feedback and preparing questions on the research.

AGENDA**Tuesday, December 8**

- 16:45 *Bus from Vilnius airport*
19.00 *Dinner*
20:30 *Welcome and discussion in sauna (please bring your bath suits)*

Wednesday, December 9**Chair: Valentina Dagienė**

(8.30 – Doctoral students should bring their posters at hall to be exposed)

- 07.30 – 09.00 *Breakfast*
9.00 – 09.30 Introduction (Valentina Dagienė)
09.30 – 10.30 Päivi Kinnunen (Aalto university, Finland) What students expect to study in CS degree?
10.30 – 11.00 *Coffee break*
11.00 – 12.00 Arnold Pears (Uppsala university, Sweden) What characterises engineering education?
12.00 – 13.00 *Lunch*
13.00 – 14.00 Don Passey (Lancaster University, United Kingdom) New computer science and computing curricula in schools – what perspectives should we research and how?
14.00 – 15.00 Erik Barendsen (Radboud University & Open University of the Netherlands) Investigating teacher knowledge and student learning.
15.00 – 15.30 *Coffee break*
15.30 – 17.30 Student's poster presentation: your BIG research idea (for each: 5 min. presentation + 5 min. questions).
17.30 – 18.30 *Dinner*
18.30 – 20.00 Continuation of the student's poster presentation. Reflection and discussions

Thursday, December 10

Chair: Anita Juškevičienė

07.30 – 09.00 *Breakfast*

Work in TWO streams:

(I) First year doctoral students, (II) Advanced doctoral students

I STREAM	II STREAM
09.00 – 12.00 Lectures	09.00 – 12.00 Work in small groups (2-3 students with a senior researcher). Coordinators: Erik Barendsen, Ján Gunčaga, Mattia Monga, Don Passey, Sergej Pozdniakov
09.00 – 10.30 Päivi Kinnunen (Aalto University, Finland). Research methods and designs in computing education research.	
10.30 – 11.00 <i>Coffee break</i>	10.30 – 11.00 <i>Coffee break</i>
11.00 – 12.00 Andrej Brodnik (University of Ljubljana, Slovenia). Suggestions and criteria for writing informatics education doctoral thesis.	

12.00 – 13.00 Lunch

13.00 – 14.00 Gerald Futschek (Vienna University of Technology, Austria). Criteria for writing informatics education doctoral thesis from a reader's viewpoint.

14.00 – 15.30 Individual work. Improve (re-write) your poster which summarizes your research: BIG research question, goal, subtasks, data collection and analysis methods, theoretical framework, scope, and use of results

15.30 – 16.00 *Coffee break*

16.00 – 17.30 Reflection on students' posters: all participants will read posters and write down their questions and comments.

17.30 – 18.30 *Dinner*

18.30 – 20.00 Continuation of the work in small groups.

Friday, December 11

Chair: Anita Juškevičienė

07.30 – 09.00 *Breakfast*

09.00 – 10.30 Work in small groups (2-3 students with a senior researcher). Coordinators: Erik Barendsen, Andrej Brodnik, Gerald Futschek, Ján Gunčaga, Mattia Monga, Don Passey, Sergej Pozdniakov

10.30 – 11.00 *Coffee break*

11.00 – 12.00 Individual work. Improve your posters again

12.00 – 13.00 *Lunch*

13.00 – 14.00 Continuation of the individual work

14.00 – 15.30 Final presentation of your research work and discussion (5 min. for each student)

15.30 – 16.00 *Coffee break*

16.00 – 17.30 Final discussion and overview (all supervisors)

18.30 – 20.00 Farewell together: doctoral students, supervisors, NordNICE partners, and teachers

Saturday, December 12

07.30 – 09.00 *Breakfast*

09.30 *Departure to Vilnius airport*