

Koli Calling 2013 Program (as at 15 Nov)

Thursday 14 November

17:00 Transportation to Koli

- 17:00 *Science Park, Länsikatu 15*
- 17:15 *Joensuu Airport (flight AY2489 from Helsinki 17:25)*
- 17:45 *Joensuu Railway Station (IC5 from Helsinki 17:47, RT783 from Pieksämäki 17:02)*
- 19:20 *Arrive at Koli*

20:00 Welcome buffet

Friday 15 November

07:00 - 09:00 Breakfast

08:30 Registration

09:00 **Opening session: Mikko-Jussi Laakso, Simon**

09:15 **Session 1: Chair, Päivi Kinnunen**

- Teresa Busjahn and Carsten Schulte: The use of code reading in teaching programming (R, 25min)
- Juha Helminen, Petri Ihantola, and Ville Karavirta: Recording and analyzing in-browser programming sessions (R, 25min)
- Simon, Beth Cook, Judy Sheard, Angela Carbone, and Chris Johnson: Academic integrity: differences between computing assessments and essays (R, 25min)

10:30 Coffee break

11:00 **Keynote: Chair, Mikko-Jussi Laakso**

- Matti Lattu, project manager, Matriculation Examination Board of Finland: Finnish matriculation examination online – from vision to architecture (1hr)

12:00 **Session 2: Chair, Jarkko Suhonen**

- Jussi Kasurinen, Saeed Mirzaeifar, and Uolevi Nikula: Computer science students making games: a study on skill gaps and requirements (R, 25min)

12:25 Lunch

13:30 **Session 3: Chair, Ilkka Jormanainen**

- Edurne Larraza-Mendiluze and Nestor Garay-Vitoria: Use of concept maps to analyze students' understanding of the I/O subsystem (R, 25min)
- Sonia Pamplona, Nelson Medinilla, and Pamela Flores: Exploring misconceptions of operating systems in an online course (R, 25min)
- Takayuki Sekiya and Kazunori Yamaguchi: Tracing quiz set to identify novices' programming misconceptions (R, 25min)
- Matti Tedre and John Pajunen: An easy approach to epistemology and ontology in computing theses (D, 20min)

15:05 Coffee break

15:35 **Session 4: Chair, Matti Tedre**

- Rebecca Vivian, Katrina Falkner, and Nickolas Falkner: Analysing computer science students' teamwork role adoption in an online self-organised teamwork activity (R, 25min)
- Elizabeth Patitsas: A case study of the development of CS teaching assistants and their experiences with team teaching (R, 25min)
- Rebecca Vivian, Katrina Falkner, and Nickolas Falkner: Computer science students' causal attributions for successful and unsuccessful outcomes in programming assignments (R, 25min)

16:50 Program ends, free discussion time and preparation for dinner

17:30 Dinner

18:30 Program committee meeting

19:00 Relax Spa* available until 21:00

20:00 Sauna* available until 23:00

Saturday 16 November

07:00 - 09:00 Breakfast

09:00 Session 5: Chair, Elizabeth Patitsas

- Tina Klomsri, Linn Grebäck, and Matti Tedre: Social media in everyday learning (R, 25min)
- Myriam Munezero, Calkin Suero Montero, Maxim Mozgovoy, and Erkki Sutinen: Exploiting sentiment analysis to track emotions in students' learning diaries (S, 15min)
- Bruno Sampaio, Carmen Morgado, and Fernanda Barbosa: Building collaborative quizzes (S, 15min)
- Carsten Kleiner, Felix Heine, and Christopher Tebbe: Automated grading and tutoring of SQL statements to improve student learning (S, 15min)

10:10 Coffee break

10:40 Session 2 continues: Chair, Jarkko Suhonen

- Lasse Hakulinen: Alternate reality games for computer science education (D, 20min)
- Petri Ihantola, Juha Helminen, and Ville Karavirta: How to study programming on mobile touch devices – interactive Python code exercises (D, 20min)
- Päivi Kinnunen, Maija Marttila-Kontio, and Erkki Pesonen: Getting to know computer science freshmen (D, 20min)

11:40 Poster presentation: Chair, Simon

- Teemu Sirkiä: A JavaScript library for visualizing program execution
- Jian Shi and Su White: How do students learn to program in a connected world?
- Stefan Friese and Kristian Rother: Teaching artificial intelligence using a web-based game server
- Peter Antonitsch and Barbara Sabitzer: Brain-based programming – a good concept for schools?
- Barbara Sabitzer, Stefan Pasterk, and Sabrina Elsenbaumer: Brain-based teaching in computer science – neurodidactical proposals for effective teaching
- Erik Barendsen and Idzard Stoker: Computational thinking in CS teaching materials: a pilot study
- Miranda Parker and Colleen M. Lewis: Why is big-O analysis hard?

- Ilkka Jormanainen and Erkki Sutinen: An open approach for learning educational data mining

12:00 Lunch and free time for exploring the Koli National Park

15:00 Coffee and poster session

15:45 Session 6 : Chair, Carsten Schulte

- Antti Knutas, Jouni Ikonen, and Jari Porras: Communication patterns in collaborative software engineering courses: a case for computer-supported collaboration (R, 25min)
- David Silva, Matti Tedre, and Mikko Apiola: Pedagogy of 1:1 computing in Colombia: a case study of three rural schools (R, 25min)
- Mikko-Jussi Laakso, outgoing chair: special session (25min)

17:00 Program ends; Relax Spa* available until 20:00

20:00 Christmas party dinner

21:00 Sauna* available until 23:00

22:00 Live music

Sunday 17 November

08:00 - 09:00 Breakfast; *hotel checkout for those who are ready*

09:00 Closing session: Simon

09:30 Departure

- 09.30 *Hotel checkout for those who have not yet done so*
- 10:00 *Departure from Koli*
- 11:30 *Joensuu Airport (AY2486 to Helsinki at 12:30)*
- 12:00 *Joensuu Railway Station (IC8 to Helsinki, 12:17; RT782 to Pieksämäki (Tampere, Turku), 12.21)*
- 12:30 *Joensuu Science Park*

* Relax Spa and Sauna

The sauna has always been part of Koli Calling, and will continue to be so. The sauna will be freely available on the Friday and Saturday nights at the times indicated above, and free drinks will be available in the sauna as part of the conference package.

Following the renovations, the hotel also now has a spa. This is normally available throughout the day (for all hotel guests) until 20:00, and on the Friday it is being kept open for an additional hour to accommodate the conference timetable.

One visit to the spa is included in the conference package. Numbers in the spa are limited, so you will be required to reserve your spa visit (Friday evening, Saturday evening, or the Saturday afternoon free time if you will not be out walking). This can be done when you are registering at the hotel. People will be required to pay the hotel for any additional visits. On the other hand, we will possibly be able to negotiate a small reduction in the accommodation cost for people who do not want to use the spa at all.