

Koli Calling 2015 Program (as at 18 November)

Thursday 19 November

Charter bus schedule

- 17:15 Joensuu Airport (flight AY489 from Helsinki at 17:25)
- 19:10 Joensuu Science Park, Länsikatu 15
- 19:20 Joensuu railway station (Pendolino 7, the "Koli Train" from Helsinki at 19:23)
- 20:30 Arrival to the conference hotel

21.30 Welcome buffet

Friday 20 November

07.00 - 09.00 Breakfast

08.30 Registration

09.00 **Opening session: Päivi Kinnunen, Judy Sheard**

09.15 **Session 1: Tools & visualization, Chair Ilkka Jormanainen [70 min]**

- *Jouni Ikonen, Antti Knutas, YongYi Wu, Isaac Agudo*: Is the world ready or do we need more tools for programming related teamwork? (R, 25 min)
- *Matija Lokar, Matija Pretnar*: A Low Overhead Automated Service for Teaching Programming (Sh, 15 min)
- *Teemu Sirkiä, Juha Sorva*: Tailoring Animations of Example Programs (Sh, 15 min)
- *Aivar Annamaa*: Introducing Thonny, a Python IDE for Learning Programming (Sh, 15 min)

10.25 Refreshments

10.55 **Session 2: Data mining. Chair Petri Ihantola [75 min]**

- *Krista Longi, Juho Leinonen, Henrik Nygren, Joni Salmi, Arto Klami, Arto Vihavainen*: Identification of Programmers from Typing Patterns (R, 25 min)
- *Andrew Petersen, Jaime Spacco, Arto Vihavainen*: An Exploration of Error Quotient in Multiple Contexts (R, 25 min)
- *Timo Lehtonen, Timo Aho, Essi Isohanni and Tommi Mikkonen*: On the Role of Gamification and Localization in an Open Online Learning Environment: Javala Experiences (R, 25 min)

12.10 Lunch

13.15 - 13.35 **Greetings from University of Eastern Finland**

- Professor Jaakko Puhakka, Academic Rector
- Professor Markku Hauta-Kasari, Head of School of Computing

13.35 Session 3: Exercises & robots. Chair Neena Thota [70 min]

- *Paul Denny, Diana Cukierman, Jonathan Bhaskar*: Measuring the Effect of Inventing Practice Exercises on Learning in an Introductory Programming Course (R, 25 min)
- *Mikko Laamanen, Ilkka Jormanainen, Erkki Sutinen*: Theater robotics for human technology education (Sh, 15)
- *Angelo Kyrilov, David C. Noelle*: Binary Instant Feedback on Programming Exercises Can Reduce Student Engagement and Promote Cheating (Sh, 15 min)
- *Juha Sorva, Teemu Sirkiä*: Embedded Questions in Ebooks on Programming — Useful for a) Summative Assessment, b) Formative Assessment, or c) Something Else? (Sh, 15 min)

14.45 Refreshments

15.15 Session 4: Rainfall. Chair Erik Barendsen [50 min]

- *Otto Seppälä, Petri Ihantola, Essi Isohanni, Juha Sorva, Arto Vihavainen*: Do We Know How Difficult the Rainfall Problem is? (R, 25 min)
- *Antti-Jussi Lakanen, Vesa Lappalainen, and Ville Isomöttönen*: Revisiting Rainfall to Explore Exam Questions and Performance on CS1 (R, 25 min)

16.05 - 16.35 Fish tank

16.35 Program ends, free discussion time and preparation for dinner

16.40 – 17.40 PC meeting

19.00 Dinner

Sauna* available until 23.00

Saturday 21 November

07.00 - 09.00 Breakfast

09.00 Keynote: Chair, TBA

- *Tony Clear*: 'Follow the moon' development: writing a systematic literature review on Global Software Engineering Education. (1hr)

10.00 Refreshments

10.30 Session 5: CS1 - CS3. Chair Paul Denny [80 + 5-10 min break after two papers]

- *Jacqui Chetty, Duan van der Westhuizen*: Towards a Pedagogical Design for Teaching Novice Programmers: Design-based Research as an Empirical Determinant for Success (R, 25 min)
- *André L. Santos*: Collaborative Course Project for Practicing Component-Based Software Engineering (Sh, 15 min)
- *Antti Herala, Erno Vanhala, Uolevi Nikula*: Object-oriented programming course revisited (R, 25 min)
- *Aletta Nylén, Neena Thota, Anna Eckerdal, Päivi Kinnunen, Matthew Butler, Michael Morgan*: Multidimensional analysis of Creative Coding MOOC forums - a methodological discussion (Sh, 15)

12.00 Lunch

13.00 - 13.15 15 min nature film "Mustarinta" at the nature centre & free time for exploring the Koli National Park

15.00 Poster session, refreshments [70 min]

- *Tero Ahtee and Mikko Tiusanen*: Towards an Ideal Software Engineering Project Course
- *Meurig Beynon, Russell Boyatt, Ilkka Jormanainen, and Andrés Moreno*: Where Making Construals meets Learning to Code
- *Alexandra Funke, Marc Berges, Andreas Mühlring, and Peter Hubwieser*: Gender Differences in Programming: Research Results and Teachers' Perception
- *Lassi Haaranen and Päivi Kinnunen*: Informal CS Learning Through Games – Benefits to Formal Education?
- *Antti Herala, Erno Vanhala, Antti Knutas, and Jouni Ikonen*: Teaching programming with flipped classroom method: a study from two programming courses
- *D.F.O. Onah and J. E. Sinclair*: Measuring Self-Regulated Learning in a Novel E-Learning Platform: eLDa
- *Teemu Sirkiä and Lassi Haaranen*: Acos Server: Towards Smart Learning Content Interoperability
- *Stewart D. Smith, Nicholas Zemljic, and Andrew Petersen*: Modern Goto: Novice Programmer Usage of Non-Standard Control Flow

16.10 Session 6: Student experience & cheating. Chair Matti Tedre [75 min]

- *Anne-Kathrin Peters, Anders Berglund, Anna Eckerdal, Arnold Pears*: Second Year Computer Science and IT Students' Experience of Participation in the Discipline (R, 25 min)
- *Jane Sinclair, Sara Kalvala*: Exploring societal factors affecting the experience and engagement of first year female computer science undergraduates (R, 25 min)
- *Simon, Judy Sheard*: In Their Own Words: Students and Academics Write about Academic Integrity (R, 25 min)

17.25 Program ends; Spa, free discussion time and preparation for dinner

20.00 Christmas party dinner

Sunday 22 November

08.00 - 09.00 Breakfast; *hotel checkout*

09.00 - 09.45 **Session 7: program chairs**

- Best paper award, feedback, green paper slip raffle

10.00 **Departure**

- 10:00 *Departure from Koli*
- 11:15 *Joensuu Airport (AY488 to Helsinki at 12:10)*
- 11:30 *Joensuu Science Park*
- 11:45 *Joensuu Railway station (InterCity 8 to Helsinki at 12:17)*

* **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 in Friday as part of the conference package.

The hotel also has a spa. This is normally available throughout the day (for all hotel guests) until 20.00.

One visit to the spa is included in the conference package. 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.